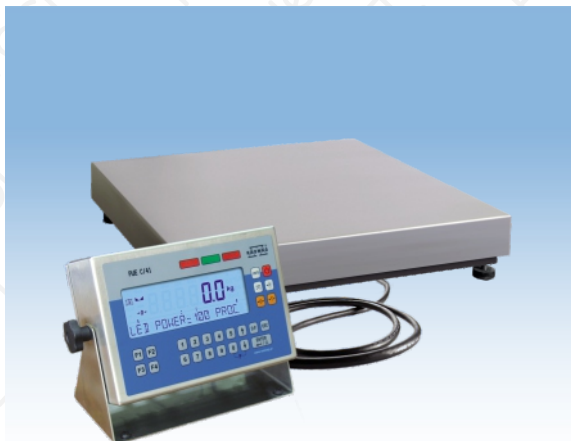


MULTIFUNCTIONAL SCALES WPW



release date 25-04-2012



Multifunctional WPW scales are manufactured in standard version dedicated to general use, and in upgraded versions as:

- Counting scales **WPW/L** series
- Labeling scales **WPW/E** series
- Dosing scales **WPW/D** series
- Formula making scales **WPW/R** series

All types of scales are available with the same capacities, and they differ in functionality. Upgraded scale versions provide the functionality of a standard scale and dedicated option.

WPW multifunctional scales are available in two variants:

- Multifunctional single range scales (e.g. WPW 6 C1/K);
- Multifunctional dual range scales (e.g. WPW 3/6 C1/K).



Counting pieces



Checkweighing



Summing function



Filling



Animal weighing



Percent setup



Statistics



Peak hold



Measurement in Newton

Standard WPW scale:

Multifunctional WPW scale features a terminal PUE C41H with backlit LCD display and a single load cell mild steel and powder coated weighing platform. The standard WPW scale is available with maximum capacities from **6 kg to 300 kg**, and corresponding readability from **2g to 100 g**. The weighing platforms dedicated to the WPW series are models from **C1 (290×360mm) to C3 (500×700mm)**.

The terminal PUE C41H used in the WPW multifunctional scale enables cooperating with computer software "WPW EDITOR" and "LABEL EDITOR". The computer software communicates with the PUE C41H terminal through its interfaces: RS 232, RS 485 (baud rate from 2400 to 115200 bit/s) and ETHERNET.

Functionality:

- Cooperation with a single weighing platform
- Other measuring units [kg, lb, oz, ct, N, g]
- Definable access level
- Current updating of statistical data
- Saving up to 60 000 weighing records
- Filtering weighing results and reports from weighing
- Optional configuration of diodes operating mode
- Creating optional texts for printouts
- Implementing printout templates from weighing and reports
- Database of tares
- Manual or automatic tare
- Automatic scale shutdown

Scale enables cooperation with:

- WPW EDITOR computer software
- Receipt and label printers
- LABEL EDITOR computer software
- External PRINT-TARA-ZERO button
- Control panel: 3inputs / 3outputs
- Barcode scanner
- Transponder card scanner
- Additional modules (as additional equipment of PUE C41H):
 - analog module AN series
 - additional relays module
 - IN/OUT additional module
 - RS485 module
 - ETHERNET module

Counting scale WPW/L:

WPW/L scales are applied for counting details with equal unit mass, and connected to label printers, they enable printing labels for matching weighed goods. Extending system's functionality by the additional weighing module (optional) enables cooperating with an additional weighing platform. Such configuration allows for determining unit mass with maximal expected readability.

Additional functionality:

- parts counting mode
- basic weighing unit [psc]
- other weighing units [kg, lb, oz, ct, N, g]
- cooperation with additional platform

Labeling scale WPW/E:

WPW/E scales are applied for weighing applications featuring a label printer. The system is dedicated for labeling weighed goods, for instance in packaging process.

The software implemented in the PUE C41H terminal allows for generating:

- standard labels for matching single goods,
- cumulative (c) labels on completion of package weighing
- cumulative of cumulative (cc) labels on completion of batch weighing.

Dedicated Citizen label printers, available as additional equipment, increase system functionality.

Software functionality in labeling scales:

- Three modes of printing c and cc labels on labeling scales:
 - manually,
 - by label counter,
 - by set value of product mass;
- Setting the scale as a control scale (+/- weighing result control);
- Identification of products by barcodes EAN-13 and EAN-128;
- Databases of operators, products, materials, clients, weighing records, universal variables, tares.

Dosing scale WPW/D:

WPW/D scales as standard feature BARCHER/FORMULATION software combined with external automation systems, which consist of control and executive components. Such devices give option of automatic, semi-automatic or manual dosing of loose substances and liquids. Additionally, the software enables planning and preparing mixtures from formulation components (dosing output). The components have their nominal mass assigned, and they are batched by the scale in dosing process.

Functionality of software BATCHER:

- three dosing modes: manual operation, automatic operation and dosing on "-",
- setting time delay on switching between dosing thresholds,
- declaring time delay of process completion,
- setting OUTPUTS operation (one of three available modes) of user's dosing instruments,
- ceasing and/or aborting dosing process at optional moment,
- cooperation with external function keys TARE, ZERO, PRINT, START, STOP, HOLD, CHUTE, CHUTE START and optional configuration on inputs numbers assigned to a key,
- optional configuration of outputs numbers for functions: MIN, OK, MAX, STABLE, THRESHOLD 1, THRESHOLD 2, CHUTE,
- printing reports from weighing – report filtering by: start date, end date, operator code, product code, weighing type, weighing platform no., batch no.,
- databases of: operators, products, weighing records, universal variables, tares.

Formula making scale WPW/R:

Formula making scales WPW/R feature BARCHER/FORMULATION software combined with external automation systems, which consist of control and executive components. Such devices give option of automatic, semi-automatic or manual dosing of loose substances and liquids. Additionally, the software enables planning and preparing mixtures from formulation components (dosing output). The components have their nominal mass assigned, and they are batched by the scale in dosing process.

Functionality of software BATCHER / FORMULATION:

- rescaling mass of formula ingredients (multiplier of formula mass);
- setting tare mode of each ingredient during dosing or formula making process;
- setting the means of ingredient's mass acceptance after weighing (manual or automatic);
- declaring number of cycles for specific formula;
- hold and/or stop of formula or dosing process at optional stage of advancement;
- cooperation with external buttons: TARE, ZERO, PRINT, START, STOP, (START/STOP) CHUTE and random configuration of inputs assigned to the button;
- Free configuration of output numbers for the following functions; MIN, OK..., MAX, STABLE, CHUTE P1, CHUTE P2, WORK;
- Printing reports from dosing and formula making process;
- Databases of: operators, products, weighing records, universal variables, tares.

The software for WPW formula making scale features a default printout template for formulations, containing parameter on: report date and time, operator name, formulation name, formulation code, formulation mass, product name, product code, product mass, product settings, product deviation.

Technical data:

	WPW 6 C1/K	WPW 15 C1/K	WPW 30 C1/K	WPW 30 C2/K	WPW 60 C2/K
	WPW/L 6 C1/K	WPW/L 15 C1/K	WPW/L 30 C1/K	WPW/L 30 C2/K	WPW/L 60 C2/K
	WPW/E 6 C1/K	WPW/E 15 C1/K	WPW/E 30 C1/K	WPW/E 30 C2/K	WPW/E 60 C2/K
	WPW/D 6 C1/K	WPW/D 15 C1/K	WPW/D 30 C1/K	WPW/D 30 C2/K	WPW/D 60 C2/K
	WPW/R 6 C1/K	WPW/R 15 C1/K	WPW/R 30 C1/K	WPW/R 30 C2/K	WPW/R 60 C2/K
Max capacity	6 kg	15 kg	30 kg	30 kg	60 kg
Readability	2 g	5 g	10 g	10 g	20 g
Tare range	-6 kg	-15 kg	-30 kg	-30 kg	-60 kg
Pan size	290×350 mm			400×500 mm	
Working temperature	-10° ± +40 °C				
Output signal	RS 232, RS 485				
IP rating	IP 65 - construction, IP 66/67 - indicator				
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah				
Display	LCD (backlit)				
Net weight / Gross weight	9,7 / 11 kg			18,7 / 21 kg	
Packaging dimensions	550×420×220 mm			720×580×220 mm	

Technical data:

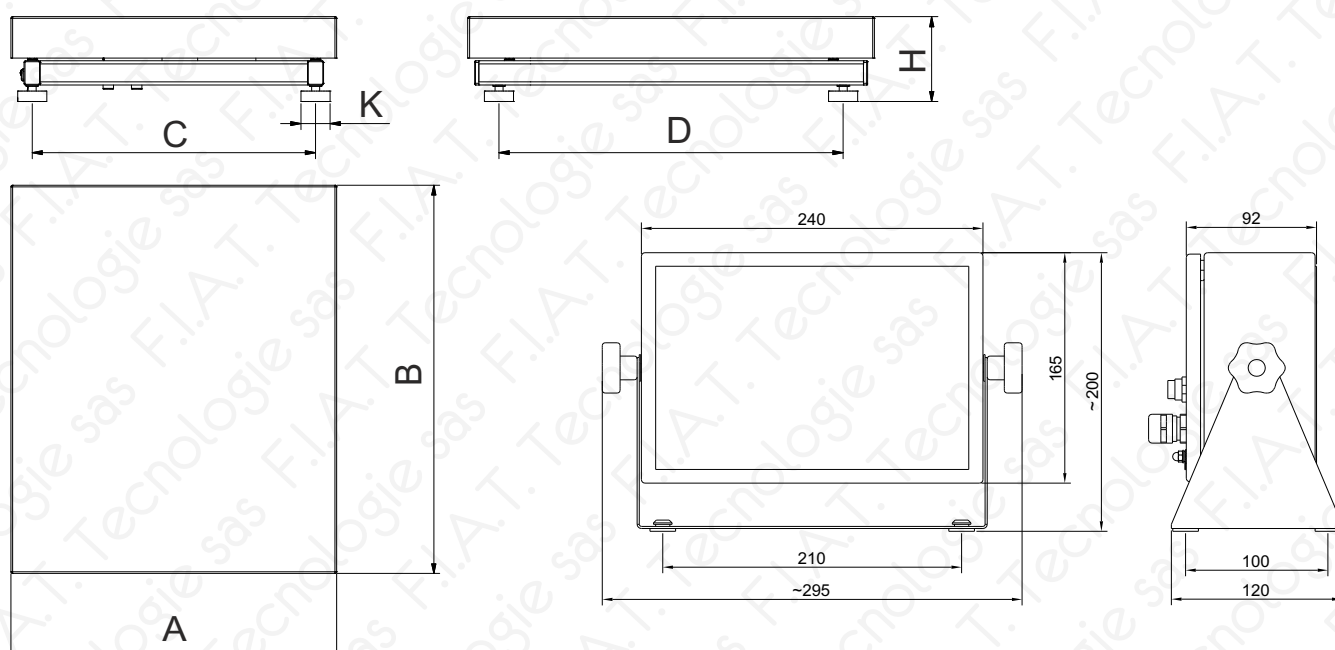
	WPW 150 C2/K	WPW 300 C2/K	WPW 150 C3/K	WPW 300 C3/K
	WPW/L 150 C2/K	WPW/L 300 C2/K	WPW/L 150 C3/K	WPW/L 300 C3/K
	WPW/E 150 C2/K	WPW/E 300 C2/K	WPW/E 150 C3/K	WPW/E 300 C3/K
	WPW/D 150 C2/K	WPW/D 300 C2/K	WPW/D 150 C3/K	WPW/D 300 C3/K
	WPW/R 150 C2/K	WPW/R 300 C2/K	WPW/R 150 C3/K	WPW/R 300 C3/K
Max capacity	150 kg	300 kg	150 kg	300 kg
Readability	50 g	100 g	50 g	100 g
Tare range	-150 kg	-300 kg	-150 kg	-300 kg
Pan size	400×500 mm		500×700 mm	
Working temperature	-10° ± +40 °C			
Output signal	RS 232, RS 485			
IP rating	IP 65 - construction, IP 66/67 - indicator			
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah			
Display	LCD (backlit)			
Net weight / Gross weight	18,7/21 kg		23,7/30 kg	
Packaging dimensions	720×580×220 mm		820×640×260 mm	

MULTIFUNCTIONAL DUALRANGE SCALES WPW**Technical data:**

	WPW 3/6 C1/K	WPW 6/15 C1/K	WPW 15/30 C1/K
	WPW/L 3/6 C1/K	WPW/L 6/15 C1/K	WPW/L 15/30 C1/K
	WPW/E 3/6 C1/K	WPW/E 6/15 C1/K	WPW/E 15/30 C1/K
	WPW/D 3/6 C1/K	WPW/D 6/15 C1/K	WPW/D 15/30 C1/K
	WPW/R 3/6 C1/K	WPW/R 6/15 C1/K	WPW/R 15/30 C1/K
Max capacity	3/6 kg	6/15 kg	15/30 kg
Readability	1/2 g	2/5 g	5/10 g
Tare range	-6 kg	-15 kg	-30 kg
Pan size	290×350 mm		
Working temperature	-10° ± +40 °C		
Output signal	RS 232, RS 485		
IP rating	IP 65 - construction, IP 66/67 - indicator		
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah		
Display	LCD (backlit)		
Net weight / Gross weight	9,7/11 kg		
Packaging dimensions	550×420×220 mm		

Technical data:

	WPW 15/30 C2/K	WPW 30/60 C2/K	WPW 60/150 C2/K	WPW 150/300 C2/K
	WPW/L 15/30 C2/K	WPW/L 30/60 C2/K	WPW/L 60/150 C2/K	WPW/L 150/300 C2/K
	WPW/E 15/30 C2/K	WPW/E 30/60 C2/K	WPW/E 60/150 C2/K	WPW/L 150/300 C2/K
	WPW/D 15/30 C2/K	WPW/D 30/60 C2/K	WPW/D 60/150 C2/K	WPW/L 150/300 C2/K
	WPW/R 15/30 C2/K	WPW/R 30/60 C2/K	WPW/R 60/150 C2/K	WPW/L 150/300 C2/K
Max capacity	15/30 kg	30/60 kg	60/150 kg	150/300 kg
Readability	5/10 g	10/20 g	20/50 g	50/100 g
Tare range	-30 kg	-60 kg	-150 kg	-300 kg
Pan size	400×500 mm			
Working temperature	-10° ÷ +40 °C			
Output signal	RS 232, RS 485			
IP rating	IP 65 - construction, IP 66/67 - indicator			
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah			
Display	LCD (backlit)			
Net weight / Gross weight	18,7/21 kg			
Packaging dimensions	720×580×220 mm			



Name	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	K [mm]
WPW ... C1/K	351	295	314	230	87±2	Ø 36
WPW ... C2/K	402	502	350	425	105±5	Ø 36

Accessories:

Antivibration table for industrial scales	Module WE8
"Kafka" thermal printer	Cable RS 232 [scale - Kafka printer]: Pt0018
"Epson" dot matrix printer	Cable RS 232 [scale - printer "Epson"]-: PT0019
"Citizen" label printer	Cable RS 232 [scale - printer "Citizen"]-: PT0019
External tare and print keys: PT0021	Cable RS 232 [scale - computer]: PT0020
Tansponder card reader: CK-01	Cable [scale - Ethernet]: P0198
Barcode scanner	Large LCD display WWG-2 (digit height 4,5")
"PW-WIN" computer software	"RAD-KEY" computer software

RADWAG Balances & Scales

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WPY SCALES



release date 10-03-2015



Application:

Multifunctional scales WPY series are designed for fast and precise determining mass of weighed objects in industrial conditions and with application of a modern terminal PUE7 series. The scales feature simple structure and enable maximum automation of carried out weighing processes. The universal software implemented in the terminal enables scale cooperation with barcode scanners, receipt printers, label printers, RFID scanners and PC peripherals (including mouse, keyboard and external data storage devices) all connectable to built-in interfaces RS232, USB and Ethernet

Design and Functionality:

All types of the WPY scales feature a stainless steel weighing platform and a terminal comprising 5,7" TFT colourful touch screen display and a membrane keyboard. The system is ready to connect an additional weighing platform, and provides below functions:

- programming of display and functional keys,
- programming infrared proximity sensors,
- programming printouts,
- programming text data displayed on scale terminal.



Parts counting



Totalizing



Filling



Checkweighing



Labeling



Percent setup



Statistics



Formulation



Under-hook weighing

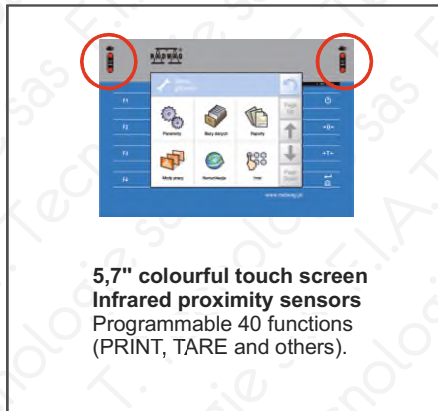


Infrared sensors



Data exchange through USB storage devices

- update scale software
- export weighing data



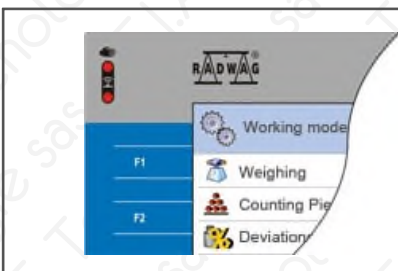
5,7" colourful touch screen

Infrared proximity sensors
Programmable 40 functions (PRINT, TARE and others).



Communication interfaces

- Ethernet
- 2xRS 232
- 2xUSB
- 4 IN / 4 OUT.



WPY series comes standard with working modes for "Parts counting" and "Checkweighing".

Technical data:

	WPY 0,6/D2	WPY 1,5/D2	WPY 3/D2	WPY 6/D2
Max capacity	0,6 kg	1,5 kg	3 kg	6 kg
Minimum load	4 g	10 g	20 g	40 g
Readability	0,2 g	0,5 g	1 g	2 g
Verification interval	0,2 g	0,5 g	1 g	2 g
Tare range	-0,6 kg	-1,5 kg	-3 kg	-6 kg
Repeatability	0,2 g	0,5 g	1 g	2 g
Linearity	±0,2 g	±0,5 g	±1 g	±2 g
OIML class	III			
Pan size	195×195 mm			
Stabilization time	2 s			
Working temperature	-10 ° ÷ +40 °C			
Storage temperature	-25 ° ÷ +70 °C			
IP rating	IP 43			
Power supply	110÷230VAC 50/60Hz / 10,5÷15VDC			
Adjustment / Calibration	external			
Display	5,7" touch screen			
Interface	2×USB, 2×RS 232, Ethernet, 4IN / 4OUT			
Net weight / Gross weight	2,7/3,6 kg			
Packaging size	490×300×150 mm			

Technical data:

	WPY 3/6/F1/R WPY 3/6/F1/K	WPY 6/F1/R WPY 6/F1/K	WPY 6/15/F1/R WPY 6/15/F1/K	WPY 15/F1/R WPY 15/F1/K	WPY 15/30/F1/R WPY 15/30/F1/K	WPY 30/F1/R WPY 30/F1/K
Max capacity	3/6 kg	6 kg	6/15 kg	15 kg	15/30 kg	30 kg
Minimum load	20/40 g	40 g	40/100 g	100 g	100/200 g	200 g
Readability	1/2 g	2 g	2/5 g	5 g	5/10 g	10 g
Verification interval	1/2 g	2 g	2/5 g	5g	5/10 g	10 g
Tare range	-6 kg	-6 kg	-15 kg	-15 kg	-30 kg	-30 kg
Repeatability	1/2 g	2 g	2/5 g	5 g	5/10 g	10 g
Linearity	±1/2 g	±2 g	±2/5 g	±5 g	±5/10 g	±10 g
OIML class	III					
Pan size	300×300 mm					
Stabilization time	3 s					
Working temperature	-10 ° ÷ +40 °C					
Storage temperature	-25 ° ÷ +70 °C					
IP rating	IP 43					
Power supply	110÷230VAC 50/60Hz / 10,5÷15VDC					
Adjustment / Calibration	external					
Display	5,7" touch screen					
Interface	2×USB, 2×RS 232, Ethernet, 4IN / 4OUT					
Net weight / Gross weight	5,2 / 6 kg					
Packaging size	570×390×170 mm					

Technical data:

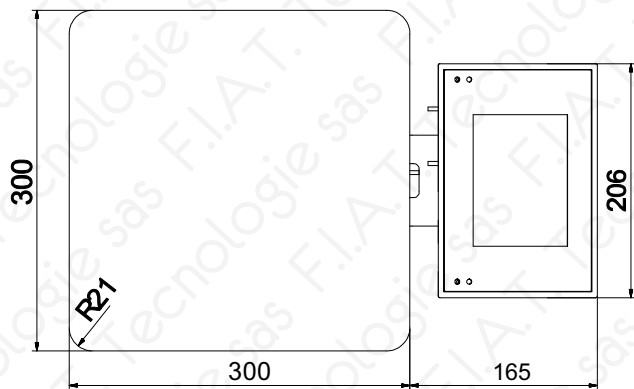
	WPY 15/30/C2/R WPY 15/30/C2/K	WPY 30/C2/R WPY 30/C2/K	WPY 30/60/C2/R WPY 30/60/C2/K	WPY 60/C2/R WPY 60/C2/K	WPY 60/150/C2/R WPY 60/150/C2/K	WPY 150/C2/R WPY 150/C2/K
Max capacity	15/30 kg	30 kg	30/60 kg	60 kg	60/150 kg	150 kg
Minimum load	100/200 g	200 g	0,2/0,4 kg	0,4 kg	0,4/1 kg	1 kg
Readability	5/10 g	10 g	10/20 g	20 g	20/50 g	50 g
Verification interval	5/10 g	10 g	10/20 g	20 g	20/50 g	50 g
Tare range	-30 kg	-30 kg	-60 kg	-60 kg	-150 kg	-150 kg
Repeatability	5/10 g	10 g	10/20 g	20 g	20/50 g	50 g
Linearity	±5/10 g	±10 g	±10/20 g	±20 g	±20/50 g	±50 g
OIML class	III					
Pan size	400×500 mm					
Stabilization time	3 s					
Working temperature	-10 ° ÷ +40 °C					
Storage temperature	-25 ° ÷ +70 °C					
IP rating	IP 43					
Power supply	110÷230VAC 50/60Hz / 10,5÷15VDC					
Adjustment / Calibration	external					
Display	5,7" touch screen					
Interface	2×USB, 2×RS 232, Ethernet, 4IN / 4OUT					
Net weight / Gross weight	15,5/17,8 kg					
Packaging size	720×580×220 mm					

Technical data:

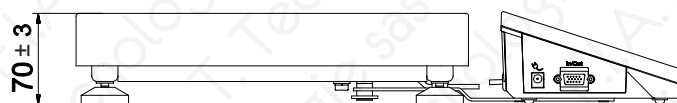
	WPY 150/300/C2/K	WPY 300/C2/K	WPY 150/C3/K	WPY 300/C3/K
Max capacity	150/300 kg	300 kg	150 kg	300 kg
Minimum load	1/2 kg	2 kg	1 kg	2 kg
Readability	50/100 g	100 g	50 g	100 g
Verification interval	50/100 g	100 g	50 g	100 g
Tare range	-300 kg	-300 kg	-150 kg	-300 kg
Repeatability	50/100 g	100 g	50 g	100 g
Linearity	±50/100 g	±100 g	±50 g	±100 g
OIML class	III		III	
Pan size	400×500 mm		500×700 mm	
Stabilization time	3 s		3 s	
Working temperature	-10 ° ÷ +40 °C		-10 ° ÷ +40 °C	
Storage temperature	-25 ° ÷ +70 °C		-25 ° ÷ +70 °C	
IP rating	IP 43		IP 43	
Power supply	110÷230VAC 50/60Hz / 10,5÷15VDC		110÷230VAC 50/60Hz / 10,5÷15VDC	
Adjustment / Calibration	external		external	
Display	5,7" touch screen		5,7" touch screen	
Interface	2×USB, 2×RS 232, Ethernet, 4IN / 4OUT		2×USB, 2×RS 232, Ethernet, 4IN / 4OUT	
Net weight / Gross weight	15,5/17,8 kg		20,5/26,8 kg	
Packaging size	720×580×220 mm		820×640×260 mm	

IN/OUT PARAMETERS**IN 1 ÷ OUT 4****IN 1 ÷ OUT 4**

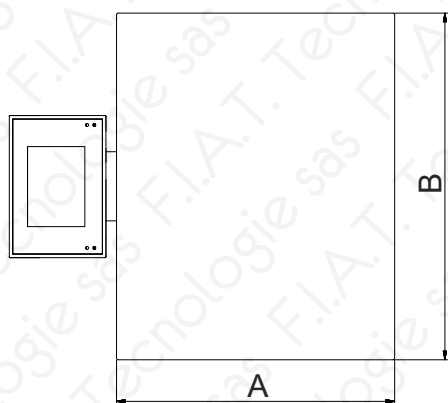
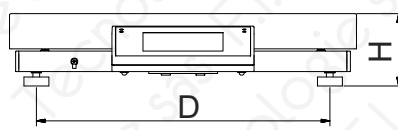
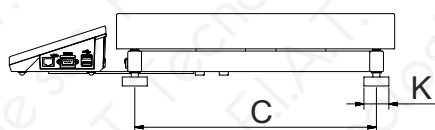
IN/ OUT type	Reed relay type NO	Opto-isolated
Wire cross-section	0,14 ÷ 0,5 mm ²	
Maximum switching current	200 mA DC	
Maximum forward voltage	50 V DC	
Control voltage range	5 ÷ 24 V DC	



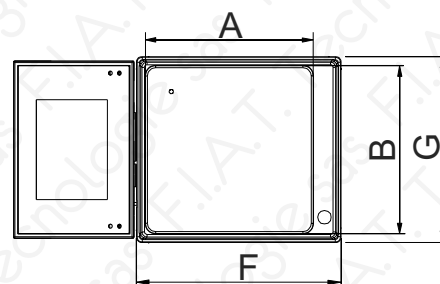
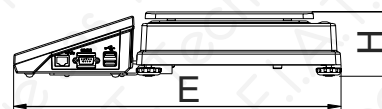
F1 version



C2, C3 version



D2 version



Name	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	E [mm]	F [mm]	G [mm]	K [mm]
WPY ... F1/K	300	300	226	256	70±3	-	-	-	Ø 36
WPY ... F1/R	300	300	226	256	70±3	-	-	-	Ø 36
WPY ... C2/K	402	502	350	425	105±5	-	-	-	Ø 36
WPY ... C2/R	402	502	350	425	105±5	-	-	-	Ø 36
WPY ... C3/K	701	501	628	428	130±5	-	-	-	Ø 50
WPY ... D2	195	195	-	-	77	381	238	216	-

Additional equipment:

Kafka thermal printer	Tansponder card reader: CK-01
Epson dot matrix printer	Power loop output
Citizen label printer	PW-WIN computer software
Anti-dust case for Epson and Citizen printers	RAD-KEY computer software
RS232/RS485 converter KR-01	RS 232 cable: scale - computer: P0108
Anti-vibration table	RS 232 cable: scale - thermal printer: P0136
Rack for under hook weighing	RS 232 cable: scale - "Epson/Citizen" printer: P0151
PC keyboard	Power cord with jack for car lighter 12V: K0047
LCD display	USB cable: scale - "Epson/Citizen" printer: PT0087
Large LCD display (digit height 4,5")	USB adapter: PT0084
Bar code scanner	

PLATFORM SCALES WITH PLASTIC HEAD



release date 28-06-2013



Platform scales WPT series are designed for direct trade, and they easily are used in applications requiring fast and precise determination of net weight.

WPT series features an indicator PUE C/31 series comprising backlit LCD display.



Parts counting



Checkweighing



Totalizing

Depending on scale version, the indicator is installed on:

- a pillar with possibility of adjusting the angle (WPT version);
- a cable (WPT/K version);
- attached to the weighing platform (WPT/R version).

WPT scale is manufactured using powder coated mild steel profiles, with stainless steel weighing platform.

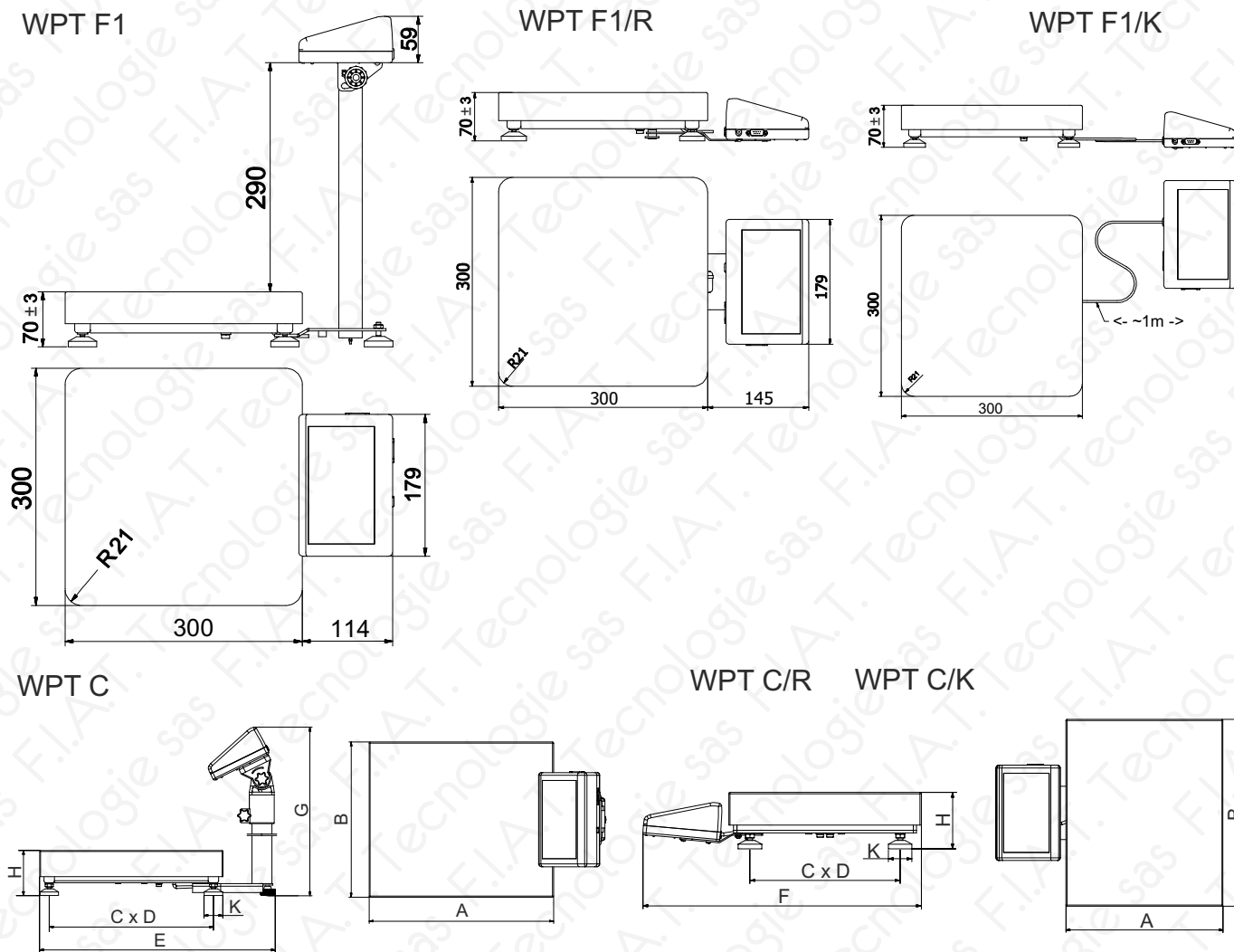
WPT series is powered either from mains or by batteries (6×AA).

Technical data:

	WPT 6 F1	WPT 15 F1	WPT 30 F1	WPT 30 C2	WPT 60 C2	WPT 150 C2	WPT 300 C2	WPT 150 C3	WPT 300 C3
	WPT 6 F1/K	WPT 15 F1/K	WPT 30 F1/K	WPT 30 C2/K	WPT 60 C2/K	WPT 150 C2/K	WPT 300 C2/K	WPT 150 C3/K	WPT 300 C3/K
	WPT 6 F1/R	WPT 15 F1/R	WPT 30 F1/R	WPT 30 C2/R	WPT 60 C2/R	WPT 150 C2/R	-	-	-
Max capacity	6 kg	15 kg	30 kg	30 kg	60 kg	150 kg	300 kg	150 kg	300 kg
Minimum load	40 g	100 g	200 g	200 g	400 g	1 kg	2 kg	1 kg	2 kg
Readability	2 g	5 g	10 g	10 g	20 g	50 g	100 g	50 g	100 g
Tare range	-6 kg	-15 kg	-30 kg	-30 kg	-60 kg	-150 kg	-300 kg	-150 kg	-300 kg
Pan size	300 × 300 mm			400 × 500 mm				500 × 700 mm	
Working temperature	-10° ÷ +40 °C								
Relative atmospheric humidity	10 ÷ 85 % RH no condensation								
Output signal	RS 232								
IP rating	IP 65 - platform, IP 43 - indicator								
Power supply	230V AC, 50Hz / 11V AC and 6 × AA NiMH accumulator								
Operation time on batteries	~ 35 h								
Display	LCD (backlit)								
Net weight / Gross weight	5,2 / 6 kg			15,5 / 17,8 kg				20,5 / 26,8 kg	
Packaging size	570×390×170 mm			720×580×220 mm				820×640×260 mm	

Technical data:

	WPT 3/6 F1	WPT 6/15 F1	WPT 15/30 F1	WPT 15/30 C2	WPT 30/60 C2	WPT 60/150 C2	WPT 150/300 C2
	WPT 3/6 F1/K	WPT 6/15 F1/K	WPT 15/30 F1/K	WPT 15/30 C2/K	WPT 30/60 C2/K	WPT 60/150 C2/K	WPT 150/300 C2/K
	WPT 3/6 F1/R	WPT 6/15 F1/R	WPT 15/30 F1/R	WPT 15/30 C2/R	WPT 30/60 C2/R	WPT 60/150 C2/R	-
Max capacity	3 / 6 kg	6 / 15 kg	15 / 30 kg	15 / 30 kg	30 / 60 kg	60 / 150 kg	150 / 300 kg
Minimum load	20 / 40 g	40 / 100 g	100 / 200 g	100 / 200 g	200 / 400 g	400 / 1000 g	1 / 2 kg
Readability	1 / 2 g	2 / 5 g	5 / 10 g	5 / 10 g	10 / 20 g	20 / 50 g	50 / 100 g
Tare range	-6 kg	-15 kg	-30 kg	-30 kg	-60 kg	-150 kg	-300 kg
Pan size	300 × 300 mm			400 × 500 mm			
Working temperature	-10° ÷ +40 °C						
Relative atmospheric humidity	10 ÷ 85 % RH no condensation						
Output signal	RS 232						
IP rating	IP 65 - platform, IP 43 - indicator						
Power supply	230V AC, 50Hz / 11V AC and 6 × AA NiMH accumulator						
Operation time on batteries	~ 35 h						
Display	LCD (backlit)						
Net weight / Gross weight	5,2 / 6 kg			15,5 / 17,8 kg			
Packaging size	570×390×170 mm			720×580×220 mm			



Name	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	E [mm]	F [mm]	G [mm]	K [mm]
WPT ... F1	300	300	256	226	70±3	451	-	419	Ø 36
WPT ... F1/K	300	300	256	226	70±3	-	-	-	Ø 36
WPT ... F1/R	300	300	256	226	70±3	-	427	-	Ø 36
WPT ... C2	402	502	350	425	103±5	509	-	751	Ø 36
WPT ... C2/K	402	502	350	425	103±5	-	-	-	Ø 36
WPT ... C2/R	402	502	350	425	103±5	-	544	-	Ø 36
WPT ... C3	701	501	628	428	130±5	817	-	754	Ø 50
WPT ... C3/K	701	501	628	428	130±5	-	-	-	Ø 50

Additional equipment:

ANTI-VIBRATION TABLE	EXTERNAL POWER OUTPUT
KAFKA THERMAL PRINTER	TABLE FOR SCALE
EPSON DOT MATRIX PRINTER	PW-WIN COMPUTER SOFTWARE
ANTI-DUST CASE FOR EPSON PRINTER	RAD-KEY COMPUTER SOFTWARE
STAND FOR THE INDICATOR	LS-FS COMPUTER SOFTWARE
HANDLE FOR INDICATOR IN PLASTIC HOUSING	RS 232 CABLE: SCALE - "KAFKA" PRINTER: P0136
RS 232 / RS 485 CONVERTER KR-01	RS 232 CABLE: SCALE - "EPSON" PRINTER: P0151
RS 232 / ETHERNET CONVERTER KR-04	RS 232 CABLE: SCALE - COMPUTER: P0108
LCD DISPLAY WWG-2 (DIGIT HEIGHT 4,5")	POWER CORD WITH JACK FOR CAR LIGHTER: K0047
LCD DISPLAY IN PLASTIC HOUSING	LCD DISPLAY IN STAINLESS STEEL HOUSING

MULTIFUNCTIONAL STAINLESS SCALES TMX/H



release date 11-04-2014



TMX/H Multifunctional Scales are manufactured either in standard version, designed for general purposes and equipped with E2R module, or extended versions as:

- TMX/E/H Labelling Scales
- TMX/D/H Dosing Scales
- TMX/R/H Formula Making Scales

TMX/H Multifunctional Scales comprise PUE 5 terminal and a weighing platform, both manufactured of stainless steel. Each scale together with the weighing pan is entirely made of OH18N9 stainless steel and it is equipped with the weighing terminal featuring a 15.6" panoramic touch screen, which operates at a resolution of 1366 x 768 pixels.

It is possible to order scales with PUE 5.19 terminal featuring 19" touch screen display operating at a resolution of 1280 x 1024 pixels.

- Parts counting
- Totalizing
- Filling
- Checkweighing
- Labeling
- Formulation

All the TMX series scales differ in the scope of functionality, wherein all the extended versions comprise functions typical of standard version.

All TMX scales cooperate with E2R SYSTEM related to the various phases of a weighing process.

TMX/H multifunctional scales are manufactured in a version wherein connection of a weighing platform and a terminal is possible only by means of a cable. The cable is:

- 1 meter long for H1 platforms,
- 2.5 meters long for H2 platforms.

The scales can cooperate with an additional weighing platform.

E2R SYSTEM is a modular system intended for companies that operate in food, meat, fish, sugar, chemical, and metallurgic industry. Its complex functionality ensures full support and automation of a given company production process. Due to the fact that the system operation is based on ETHERNET it may be extended with numerous weighing platforms. This PC software is useful for employees working on a production line and in a warehouse.

TMX scales may comprise the following modules: Terminal E2R Weighing Records, Terminal E2R Formulas and Terminal E2R Transactions.

Technical data:

	TMX 1,5/3/H1	TMX 3/6/H1	TMX 1,5/3/H2	TMX 3/6/H2	TMX 6/15/H2	TMX 15/30H2
	TMX/E 1,5/3/H1	TMX/E 3/6/H1	TMX/E 1,5/3/H2	TMX/E 3/6/H2	TMX/E 6/15/H2	TMX/E 15/30H2
	TMX/D 1,5/3/H1	TMX/D 3/6/H1	TMX/D 1,5/3/H2	TMX/D 3/6/H2	TMX/D 6/15/H2	TMX/D 15/30H2
	TMX/R 1,5/3/H1	TMX/R 3/6/H1	TMX/R 1,5/3/H2	TMX/R 3/6/H2	TMX/R 6/15/H2	TMX/R 15/30H2
	M	M	M	M	M	M
Max capacity	1,5 kg / 3 kg	3 kg / 6 kg	1,5 kg / 3 kg	3 kg / 6 kg	6 kg / 15 kg	15 kg / 30 kg
Min capacity	10 g	20 g	10 g	20 g	40 g	100 g
Readability	0,5 g / 1 g	1 g / 2 g	0,5 g / 1 g	1 g / 2 g	2 g / 5 g	5 g / 10 g
Tare range	-3 kg	-6 kg	-3 kg	-6 kg	-15 kg	-30 kg
Pan size	150×200 mm	150×200 mm	250×300 mm	250×300 mm	250×300 mm	250×300 mm
Working temperature	0° ÷ +40° C					
Atmospheric humidity	10+85% RH no condensation					
IP rating	IP 68 - construction, IP 67 - indicator					
Interface	4×USB 2.0 (load carrying capacity 500mA), 2×RS 232C, 1×RS 485, 2×Ethernet					
Optional module	4 inputs / 4 outputs, additional 3 platform, Interface Profibus					
Power supply	100 ÷ 240 V AC 50+60Hz					
Power consumption	45 W					
Display	Terminal PUE 5.15: LCD 15,6" (1366 x 768) infrared controled panel Terminal PU 5.19: LCD 19" (1280 x 1024) infrared controled panel					
Net weight / Gross weight	12,5 kg / 14,5 kg		12,5 kg / 14,5 kg			
Packaging dimensions - indicator	560×360×240 mm		560×360×240 mm			
Packaging dimensions - platform	520×260×290 mm		520×260×290 mm			

Formula making scales WPW/H:

The software of formula making scales series TMX - TERMINAL E2R FORMULA enables weighing of selected components according to production orders. Defining the formulas and production orders can be executed from a terminal or through the supervising software with possibility of declaring the tolerance limits for each component.

Functional Features:

- the availability of databases of goods, operators, contractors, warehouses, formulas, executed contracts, tares (packages), etc.
- scaling bulk being a part of a formula (weight factor of the recipe)
- the ability to set the tare mass of individual components during formulation process,
- declaration of the number of cycles for the given formula,
- the possibility of interruption a formula making process at any time,
- cooperation with external TARE, ENTER, START, STOP, FAILURE buttons
- the possibility of using up to 12 inputs / 12 outputs (opto-isolated)
- execution of production orders
- preview of the weighing records on a scale terminal as a table with weighing data or a table of orders,
- simplified reporting module allows the report to be generated by the set filters:
 - code or the name of the product,
 - code or the name of the operator,
 - code or the name of the contractor,
 - code or the name of the recipe,
 - date of weighing,
 - number of batches,
 - number of weight.
- the possibility of summing filtered data in a form of:
 - the sum of the masses of weighted component,
 - the number of measurements for a given component,
 - average of the measurements of weighted component,
 - minimum mass of weighted component,
 - maximum mass of weighted component,
- support for external devices:
 - receipt printers,
 - label printers,
 - bar code readers,
 - proximity card readers.

The ability to work with a computer program E2R.

Dosing scales TMX/H:

Metering scales are linked to an external automation system, including controls and regulations. These devices allow automatic, semi-automatic or manual dosing of loose materials and liquids.

Metering scales software dosing series TMX - TERMINAL E2R allows weighing the chosen components according to production orders. Defining formulas and production orders can be executed from a terminal or through the parent with the possibility of declaring the scope of tolerance for the component.

Functional Features:

- the availability of databases of goods, operators, contractors, magazines, recipes, executed contracts, etc.
- scaling bulk being a part of the recipe (weight factor of the recipe)
- the ability to set the tare mass of individual components in the dispensing process,
- declaration of the number of cycles for the given recipe,
- the possibility of interruption at any time in the process of dispensing,
- cooperation with external TARA, ENTER, START, STOP, FAILURE buttons
- the possibility of using up to 12 inputs / 12 outputs
- execution of production orders
- preview of the weights on a weight terminal as a table of weighings or a table of orders,
- simplified reporting module allows the report to be generated by the set filters:
 - code or the name of the product,
 - code or the name of the operator,
 - code or the name of the contractor,
 - code or the name of the recipe,
 - date of weighing,
 - number of batches,
 - number of weight.
- the possibility of filtered data in a form of summary:
 - the sum of the masses of weighted component,
 - the number of measurements for a given component,
 - average of the measurements of weighted component,
 - minimum mass of weighted component,
 - maximum mass of weighted component,
- support for external devices:
 - receipt printers,
 - label printers,
 - bar code readers,
 - proximity card readers.

The ability to work with a computer program E2R.

Labeling scales TMX/H:

Labeling scales consist of PUE 5 and weighing platform. The labels printer Citizen CLP 521, 621 or 7201e increases the functionality of scales.

Labeling system is used to print labels for marking weighted goods e.g. in the process of packing. The program can generate the standard labels for sticking single goods.

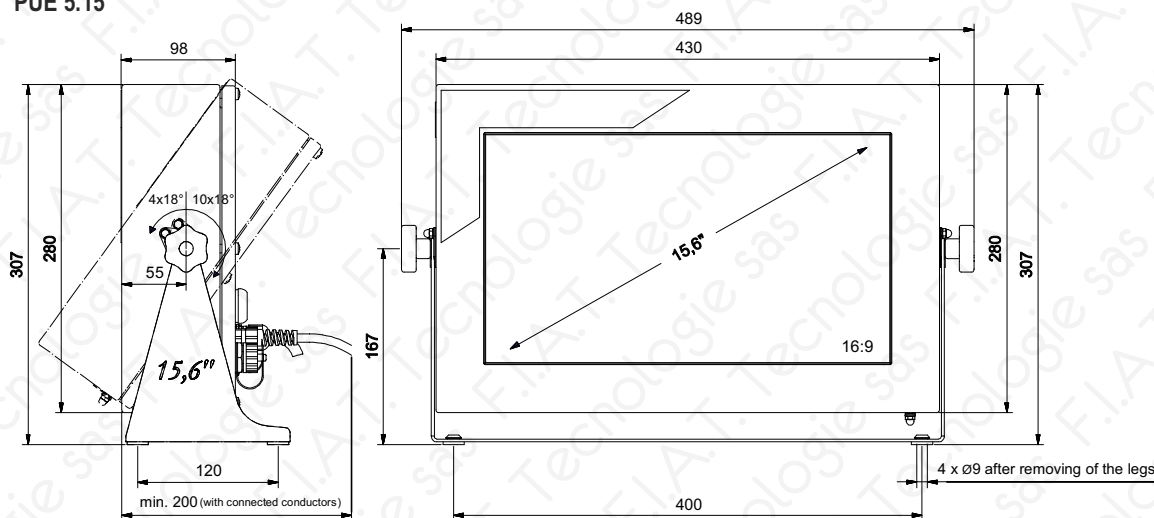
The functionality of the software:

- a function of weight control (weighing control + / -),
- previewing weighings carried out on weighing terminal as a table of weights,
- simplified reporting module allowing the report to be generated,
- the creation of labels' designs from labels weighing terminal,
- identification of goods by using the code ean-13 and ean-128,
- quick search using the range of barcode scanner,
- the availability of databases: the operators, goods, contractors, warehouses, etc.

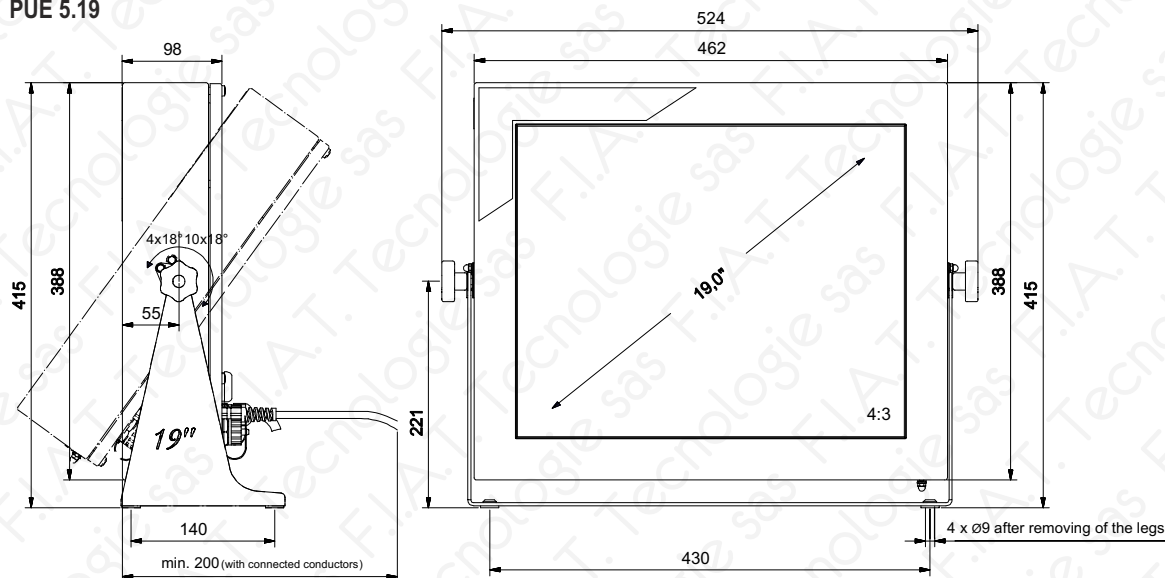
The application allows you to make measurements and at the same time to save them in a local database or on the server. Networked terminals allow transmission of the measurements to the parent database installed on the server. The ability to work with a computer program ACCOUNTING E2R.

Dimensions:

PUE 5.15



PUE 5.19



Accessories:

Epson, Zebra thermal printer

"Tare" and "Print" button

Epson impact printer

E2R Weighing records

Label printer Citizen

E2R Transactions

Bar Code Scanner

E2R Formulas

Transponder card reader: CK-01

Cable Ethernet (scale - ethernet) "PT0212"

Cable RS 232 (scale - computer) "PT0020"

USB converter "PT0084"

Cable RS 232 (scale, Epson, Citizen printer) "PT0019"

Cable USB (scale - Epson and Citizen printer) "PT0087"

RADWAG Balances & Scales

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MULTIFUNCTIONAL STAINLESS SCALES WPW/H



release date 15-03-2012



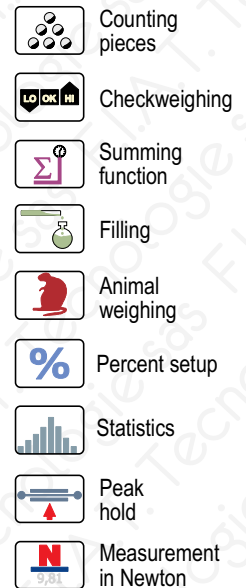
Multifunctional WPW/H scales are manufactured in standard version dedicated to general use, and in upgraded versions as:

- Counting scales **WPW/L/H** series
- Labeling scales **WPW/E/H** series
- Dosing scales **WPW/D/H** series
- Formula making scales **WPW/R/H** series

All types of scales are available with the same capacities, and they differ in functionality. Upgraded scale versions provide the functionality of a standard scale and dedicated option.

WPW multifunctional scales are available in two variants:

- Multifunctional single range scales (e.g. WPW 3 H1/K);
- Multifunctional dual range scales (e.g. WPW 1,5/3 H1/K).



Standard WPW/H scale:

Multifunctional WPW/H scale features a terminal PUE C41H with backlit LCD display and a single load cell mild steel and powder coated weighing platform. The standard WPW scale is available with maximum capacities from **3 kg to 300 kg**, and corresponding readability from **1g to 100 g**. The weighing platforms dedicated to the WPW series are models from **H1 (150×200mm) to H6 (800×800mm)**.

The terminal PUE C41H used in the WPW/H multifunctional scale enables cooperating with computer software "WPW EDITOR" and "LABEL EDITOR". The computer software communicates with the PUE C41H terminal through its interfaces: RS 232, RS 485 (baud rate from 2400 to 115200 bit/s) and ETHERNET.

Functionality:

- Cooperation with a single weighing platform
- Other measuring units [kg, lb, oz, ct, N, g]
- Definable access level
- Current updating of statistical data
- Saving up to 60 000 weighing records
- Filtering weighing results and reports from weighing
- Optional configuration of diodes operating mode
- Creating optional texts for printouts
- Implementing printout templates from weighing and reports
- Database of tares
- Manual or automatic tare
- Automatic scale shutdown

Scale enables cooperation with:

- WPW EDITOR computer software
- Receipt and label printers
- LABEL EDITOR computer software
- External PRINT-TARA-ZERO button
- Control panel: 3inputs / 3outputs
- Barcode scanner
- Transponder card scanner
- Additional modules (as additional equipment of PUE C41H):
 - analog module AN series
 - additional relays module
 - IN/OUT additional module
 - RS485 module
 - ETHERNET module

Counting scale WPW/L/H:

WPW/L/H scales are applied for counting details with equal unit mass, and connected to label printers, they enable printing labels for matching weighed goods. Extending system's functionality by the additional weighing module (optional) enables cooperating with an additional weighing platform. Such configuration allows for determining unit mass with maximal expected readability.

Additional functionality:

- parts counting mode
- basic weighing unit [psc]
- other weighing units [kg, lb, oz, ct, N, g]
- cooperation with additional platform

Labeling scale WPW/E/H:

WPW/E/H scales are applied for weighing applications featuring a label printer. The system is dedicated for labeling weighed goods, for instance in packaging process.

The software implemented in the PUE C41H terminal allows for generating:

- standard labels for matching single goods,
- cumulative (c) labels on completion of package weighing
- cumulative of cumulative (cc) labels on completion of batch weighing.

Dedicated Citizen label printers, available as additional equipment, increase system functionality.

Software functionality in labeling scales:

- Three modes of printing c and cc labels on labeling scales:
 - manually,
 - by label counter,
 - by set value of product mass;
- Setting the scale as a control scale (+/- weighing result control);
- Identification of products by barcodes EAN-13 and EAN-128;
- Databases of operators, products, materials, clients, weighing records, universal variables, tares.

Dosing scale WPW/D/H:

WPW/D/H scales as standard feature BARCHER/FORMULATION software combined with external automation systems, which consist of control and executive components. Such devices give option of automatic, semi-automatic or manual dosing of loose substances and liquids. Additionally, the software enables planning and preparing mixtures from formulation components (dosing output). The components have their nominal mass assigned, and they are batched by the scale in dosing process.

Functionality of software BATCHER:

- three dosing modes: manual operation, automatic operation and dosing on "-",
- setting time delay on switching between dosing thresholds,
- declaring time delay of process completion,
- setting OUTPUTS operation (one of three available modes) of user's dosing instruments,
- ceasing and/or aborting dosing process at optional moment,
- cooperation with external function keys TARE, ZERO, PRINT, START, STOP, HOLD, CHUTE, CHUTE START and optional configuration on inputs numbers assigned to a key,
- optional configuration of outputs numbers for functions: MIN, OK, MAX, STABLE, THRESHOLD 1, THRESHOLD 2, CHUTE,
- printing reports from weighing – report filtering by: start date, end date, operator code, product code, weighing type, weighing platform no., batch no.,
- databases of: operators, products, weighing records, universal variables, tares.

Formula making scale WPW/R/H:

Formula making scales WPW/R/H feature BARCHER/FORMULATION software combined with external automation systems, which consist of control and executive components. Such devices give option of automatic, semi-automatic or manual dosing of loose substances and liquids. Additionally, the software enables planning and preparing mixtures from formulation components (dosing output). The components have their nominal mass assigned, and they are batched by the scale in dosing process.

Functionality of software BATCHER / FORMULATION:

- rescaling mass of formula ingredients (multiplier of formula mass);
- setting tare mode of each ingredient during dosing or formula making process;
- setting the means of ingredient's mass acceptance after weighing (manual or automatic);
- declaring number of cycles for specific formula;
- hold and/or stop of formula or dosing process at optional stage of advancement;
- cooperation with external buttons: TARE, ZERO, PRINT, START, STOP, (START/STOP) CHUTE and random configuration of inputs assigned to the button;
- Free configuration of output numbers for the following functions; MIN, OK..., MAX, STABLE, CHUTE P1, CHUTE P2, WORK;
- Printing reports from dosing and formula making process;
- Databases of: operators, products, weighing records, universal variables, tares.

The software for WPW formula making scale features a default printout template for formulations, containing parameter on: report date and time, operator name, formulation name, formulation code, formulation mass, product name, product code, product mass, product settings, product deviation.

Technical data:

	WPW 3 H1/K	WPW 6 H2/K	WPW 15 H2/K	WPW 15 H3/K	WPW 30 H3/K
	WPW/L 3 H1/K	WPW/L 6 H2/K	WPW/L 15 H2/K	WPW/L 15 H3/K	WPW/L 30 H3/K
	WPW/E 3 H1/K	WPW/E 6 H2/K	WPW/E 15 H2/K	WPW/E 15 H3/K	WPW/E 30 H3/K
	WPW/D 3 H1/K	WPW/D 6 H2/K	WPW/D 15 H2/K	WPW/D 15 H3/K	WPW/D 30 H3/K
	WPW/R 3 H1/K	WPW/R 6 H2/K	WPW/R 15 H2/K	WPW/R 15 H3/K	WPW/R 30 H3/K
Max capacity	3 kg	6 kg	15 kg	15 kg	30 kg
Readability	1 g	2 g	5 g	5 g	10 g
Tare range	-3 kg	-6 kg	-15 kg	-15 kg	-30 kg
Pan size	150×200 mm	250×300 mm		410×410 mm	
Working temperature	-10° + +40 °C				
Output signal	RS 232, RS 485				
IP rating	IP 65 - construction, IP 66/67 - indicator				
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah				
Display	LCD (backlit)				
Net weight / Gross weight	7,2/8,5 kg	9,2/10,5 kg		15,7/17,5 kg	
Packaging dimensions	520×260×290	580×320×360 mm		670×510×330 mm	

Technical data:

	WPW 60 H3/K	WPW 150 H3/K	WPW 60 H4/K	WPW 150 H4/K
	WPW/L 60 H3/K	WPW/L 150 H3/K	WPW/L 60 H4/K	WPW/L 150 H4/K
	WPW/E 60 H3/K	WPW/E 150 H3/K	WPW/E 60 H4/K	WPW/E 150 H4/K
	WPW/D 60 H3/K	WPW/D 150 H3/K	WPW/D 60 H4/K	WPW/D 150 H4/K
	WPW/R 60 H3/K	WPW/R 150 H3/K	WPW/R 60 H4/K	WPW/R 150 H4/K
Max capacity	60 kg	150 kg	60 kg	150 kg
Readability	20 g	50 g	20 g	50 g
Tare range	-60 kg	-150 kg	-60 kg	-150 kg
Pan size	410×410 mm		500×500 mm	
Working temperature	-10° + +40 °C			
Output signal	RS 232, RS 485			
IP rating	IP 65 - construction, IP 66/67 - indicator			
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah			
Display	LCD (backlit)			
Net weight / Gross weight	15,7/17,5 kg		23,7/26 kg	
Packaging dimensions	670×510×330 mm		840×600×400 mm	

Technical data:

	WPW 60 H5/K	WPW 150 H5/K	WPW 300 H5/K	WPW 150 H6/K	WPW 300 H6/K
	WPW/L 60 H5/K	WPW/L 150 H5/K	WPW/L 300 H5/K	WPW/L 150 H6/K	WPW/L 300 H6/K
	WPW/E 60 H5/K	WPW/E 150 H5/K	WPW/E 300 H5/K	WPW/E 150 H6/K	WPW/E 300 H6/K
	WPW/D 60 H5/K	WPW/D 150 H5/K	WPW/D 300 H5/K	WPW/D 150 H6/K	WPW/D 300 H6/K
	WPW/R 60 H5/K	WPW/R 150 H5/K	WPW/R 300 H5/K	WPW/R 150 H6/K	WPW/R 300 H6/K
Max capacity	60 kg	150 kg	300 kg	150 kg	300 kg
Readability	20 g	50 g	100 g	50 g	100 g
Tare range	-60 kg	-150 kg	-300 kg	-150 kg	-300 kg
Pan size	600×600 mm			800×800 mm	
Working temperature	-10° + +40 °C				
Output signal	RS 232, RS 485				
IP rating	IP 65 - construction, IP 66/67 - indicator				
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah				
Display	LCD (backlit)				
Net weight / Gross weight	29,7/32 kg			42,7/46 kg	
Packaging dimensions	840×700×400 mm			1160×820×340 mm	

MULTIFUNCTIONAL DUALRANGE SCALES WPW

Technical data:

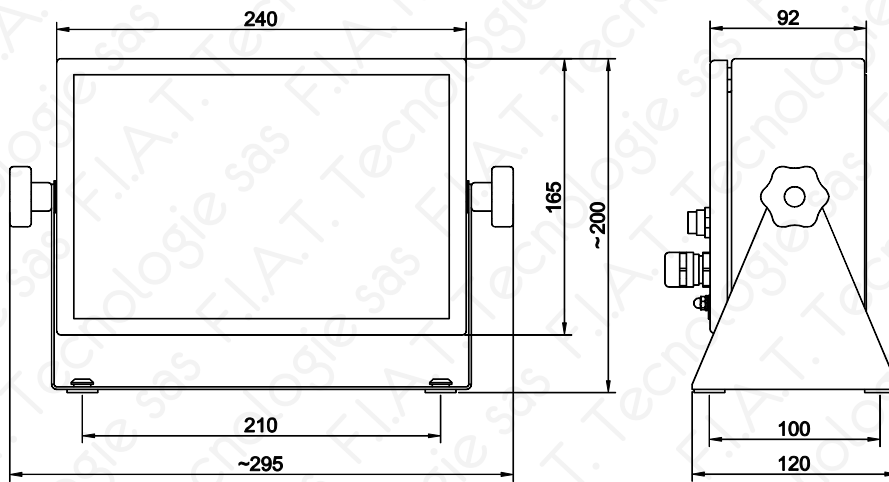
	WPW 1,5/3 H1/K WPW/L 1,5/3 H1/K WPW/E 1,5/3 H1/K WPW/D 1,5/3 H1/K WPW/R 1,5/3 H1/K	WPW 3/6 H2/K WPW/L 3/6 H2/K WPW/E 3/6 H2/K WPW/D 3/6 H2/K WPW/R 3/6 H2/K	WPW 6/15 H2/K WPW/L 6/15 H2/K WPW/E 6/15 H2/K WPW/D 6/15 H2/K WPW/R 6/15 H2/K	WPW 6/15 H3/K WPW/L 6/15 H3/K WPW/E 6/15 H3/K WPW/D 6/15 H3/K WPW/R 6/15 H3/K	WPW 15/30 H3/K WPW/L 15/30 H3/K WPW/E 15/30 H3/K WPW/D 15/30 H3/K WPW/R 15/30 H3/K
Max capacity	1,5/3 kg	3/6 kg	6/15 kg	6/15 kg	15/30 kg
Readability	0,5/1 g	1/2 g	2/5 g	2/5 g	5/10 g
Tare range	-3 kg	-6 kg	-15 kg	-15 kg	-30 kg
Pan size	150×200 mm	250×300 mm		410×410 mm	
Working temperature	-10° + +40 °C				
Output signal	RS 232, RS 485				
IP rating	IP 65 - construction, IP 66/67 - indicator				
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah				
Display	LCD (backlit)				
Net weight / Gross weight	7,2/8,5 kg	9,2/10,5 kg		15,7/17,5 kg	
Packaging dimensions	520×260×290 mm	580×320×360 mm		670×510×330 mm	

Technical data:

	WPW 30/60 H3/K WPW/L 30/60 H3/K WPW/E 30/60 H3/K WPW/D 30/60 H3/K WPW/R 30/60 H3/K	WPW 60/150 H3/K WPW/L 60/150 H3/K WPW/E 60/150 H3/K WPW/D 60/150 H3/K WPW/R 60/150 H3/K	WPW 30/60 H4/K WPW/L 30/60 H4/K WPW/E 30/60 H4/K WPW/D 30/60 H4/K WPW/R 30/60 H4/K	WPW 60/150 H4/K WPW/L 60/150 H4/K WPW/E 60/150 H4/K WPW/D 60/150 H4/K WPW/R 60/150 H4/K
Max capacity	30/60 kg	60/150 kg	30/60 kg	60/150 kg
Readability	10/20 g	20/50 g	10/20 g	20/50 g
Tare range	-60 kg	-150 kg	-60 kg	-150 kg
Pan size	410×410 mm		500×500 mm	
Working temperature	-10° + +40 °C			
Output signal	RS 232, RS 485			
IP rating	IP 65 - construction, IP 66/67 - indicator			
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah			
Display	LCD (backlit)			
Net weight / Gross weight	15,7/17,5 kg		23,7/26 kg	
Packaging dimensions	670×510×330 mm		840×600×400 mm	

Technical data:

	WPW 30/60 H5/K WPW/L 30/60 H5/K WPW/E 30/60 H5/K WPW/D 30/60 H5/K WPW/R 30/60 H5/K	WPW 60/150 H5/K WPW/L 60/150 H5/K WPW/E 60/150 H5/K WPW/D 60/150 H5/K WPW/R 60/150 H5/K	WPW 150/300 H5/K WPW/L 150/300 H5/K WPW/E 150/300 H5/K WPW/D 150/300 H5/K WPW/R 150/300 H5/K	WPW 150/300 H6/K WPW/L 150/300 H6/K WPW/E 150/300 H6/K WPW/D 150/300 H6/K WPW/R 150/300 H6/K
Max capacity	30/60 kg	60/150 kg	150/300 kg	150/300 kg
Readability	10/20 g	20/50 g	50/100 g	50/100 g
Tare range	-60 kg	-150 kg	-300 kg	-300 kg
Pan size	600×600 mm			800×800 mm
Working temperature	-10° + +40 °C			
Output signal	RS 232, RS 485			
IP rating	IP 65 - construction, IP 66/67 - indicator			
Power supply	230V AC 50Hz, rechargeable battery 6V 3Ah			
Display	LCD (backlit)			
Net weight / Gross weight	29,7/32 kg			42,7/46 kg
Packaging dimensions	840×700×400 mm			1160×820×340 mm



Accessories:

Antivibration table for industrial scales	Module WE8
"Kafka" thermal printer	Cable RS 232 [scale - Kafka printer]: Pt0018
"Epson" dot matrix printer	Cable RS 232 [scale - printer "Epson"]: PT0019
"Citizen" label printer	Cable RS 232 [scale - printer "Citizen"]: PT0019
External tare and print keys: PT0021	Cable RS 232 [scale - computer]: PT0020
Tansponder card reader: CK-01	Cable [scale - Ethernet]: P0198
Barcode scanner	Large LCD display WWG-2 (digit height 4,5")
"PW-WIN" computer software	"RAD-KEY" computer software

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WATERPROOF PLATFORM SCALES



release date 02-01-2014



Waterproof platform scales are designed to operate in humid conditions and direct contact with water.

The WPT/H series features LCD display and stainless steel weighing platform. All the elements of scale construction are made of stainless steel OH18N9.

The indicator PUE C/31H series is installed on a pillar. Optionally, the head is installed on a 3 meter-long cable for hanging it on a wall.

The WPT/H series is available with max capacity from 3 kg / 1 g to 300 kg / 100 g.

Scales WPT/H series are powered from mains, and RS 232 slot is available as standard.

On client request, the waterproof platform scales can be manufactured with upgraded antirust coating.

- Parts counting
- Checkweighing
- Totalizing



Waterproof scales feature 100 % waterproof protection of the load cell. Such design protects the load cells against the influence of ambient factors.

Technical data:

	WPT 6H2	WPT 15H2	WPT 15H3	WPT 30H3	WPT 60H3	WPT 150H3
	WPT 6H2/K	WPT 15H2/K	WPT 15H3/K	WPT 30H3/K	WPT 60H3/K	WPT 150H3/K
Max capacity	6 kg	15 kg	15 kg	30 kg	60 kg	150 kg
Readability	2 g	5 g	5 g	10 g	20 g	50 g
Tare range	-6 kg	-15 kg	-15 kg	-30 kg	-60 kg	-150 kg
Pan size	250×300 mm			410×410 mm		
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 67 - construction, IP 66/67 - indicator					
Power supply	230V AC, 50Hz / 11V AC and internal accumulator					
Operation time on accumulators	~45 h					
Display	LCD (backlit)					
Net weight / Gross weight	9/10,3 kg			15,5/17,3 kg		
Packaging size	580×320×360 mm			670×510×330 mm		

Technical data:

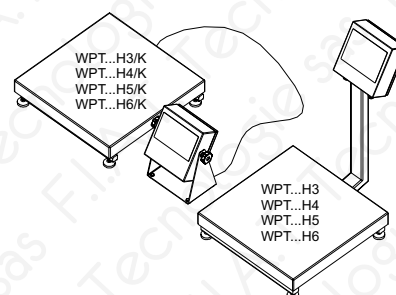
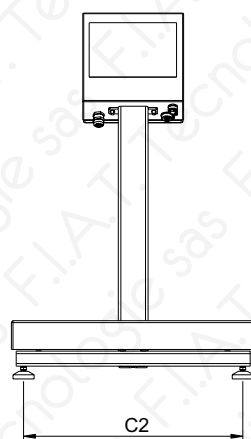
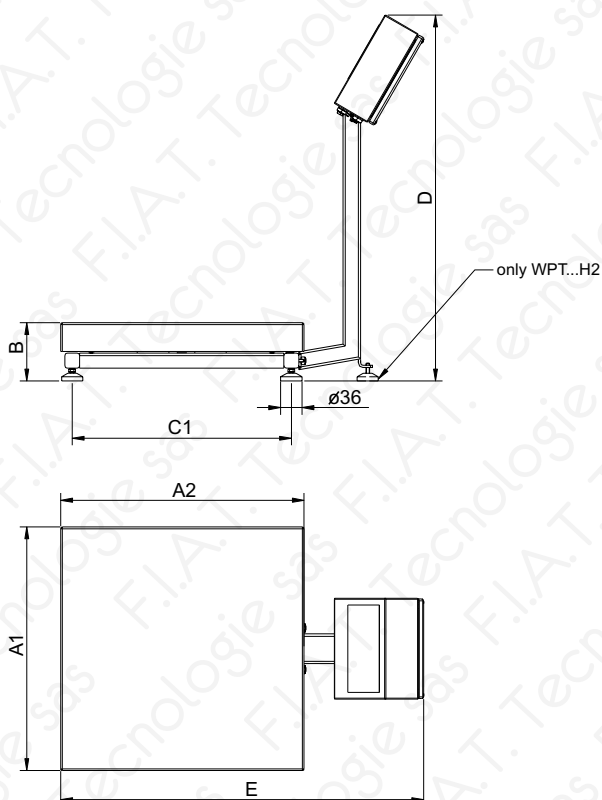
	WPT 60H4	WPT150H4	WPT 60H5	WPT 150H5	WPT 300H5	WPT 150H6	WPT 300H6
	WPT 60H4/K	WPT150H4/K	WPT 60H5/K	WPT 150H5/K	WPT 300H5/K	WPT 150H6/K	WPT 300H6/K
Max capacity	60 kg	150 kg	60 kg	150 kg	300 kg	150 kg	300 kg
Readability	20 g	50 g	20 g	50 g	100 g	50 g	100 g
Tare range	-60 kg	-150 kg	-60 kg	-150 kg	-300 kg	-150 kg	-300 kg
Pan size	500×500 mm		600×600 mm			800×800 mm	
Working temperature	-10° - +40 °C						
Output signal	RS 232						
IP rating	IP 67 - construction, IP 66/67 - indicator						
Power supply	230V AC, 50Hz / 11V AC and internal accumulator						
Operation time on accumulators	~45 h						
Display	LCD (backlit)						
Net weight / Gross weight	23,5/25,8 kg		29,5/31,8 kg			42,5/45,8 kg	
Packaging size	840×600×400 mm		840×700×400 mm			1160×820×340 mm	

Technical data:

	WPT 3/6H2	WPT 6/15H2	WPT 6/15H3	WPT 15/30H3	WPT 30/60H3	WPT 60/150H3
	WPT 3/6H2/K	WPT 6/15H2/K	WPT 6/15H3/K	WPT 15/30H3/K	WPT 30/60H3/K	WPT 60/150H3/K
Max capacity	3/6 kg	6/15 kg	6/15 kg	15/30 kg	30/60 kg	60/150 kg
Readability	1/2 g	2/5 g	2/5 g	5/10 g	10/20 g	20/50 g
Tare range	-6 kg	-15 kg	-15 kg	-30 kg	-60 kg	-150 kg
Pan size	250×300 mm		410×410 mm			
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 67 - construction, IP 66/67 - indicator					
Power supply	230V AC, 50Hz / 11V AC and internal accumulator					
Operation time on accumulators	~45 h					
Display	LCD (backlit)					
Net weight / Gross weight	9/10,3 kg			15,5/17,3 kg		
Packaging size	580×320×360 mm			670×510×330 mm		

Technical data:

	WPT 30/60H4	WPT 60/150H4	WPT 30/60H5	WPT 60/150H5	WPT 150/300H5	WPT 150/300H6
	WPT 30/60H4/K	WPT 60/150H4/K	WPT 30/60H5/K	WPT 60/150H5/K	WPT 150/300H5/K	WPT 150/300H6/K
Max capacity	30/60 kg	60/150 kg	30/60 kg	60/150 kg	150/300 kg	150/300 kg
Readability	10/20 g	20/50 g	10/20 g	20/50 g	50/100 g	50/100 g
Tare range	-60 kg	-150 kg	-60 kg	-150 kg	-300 kg	-300 kg
Pan size	500×500 mm		600×600 mm		800×800 mm	
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 67 - construction, IP 66/67 - indicator					
Power supply	230V AC, 50Hz / 11V AC and internal accumulator					
Operation time on accumulators	~45 h					
Display	LCD (backlit)					
Net weight / Gross weight	23,5/25,8 kg		29,5/31,8 kg		42,5/45,8 kg	
Packaging size	840×600×400 mm		840×700×400 mm		1160×820×340 mm	



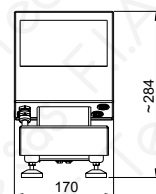
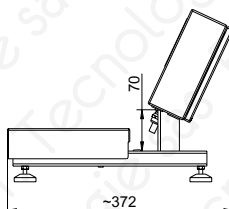
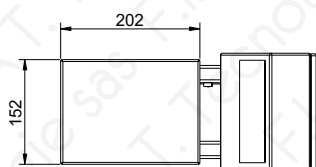
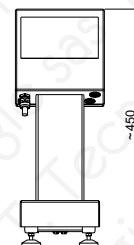
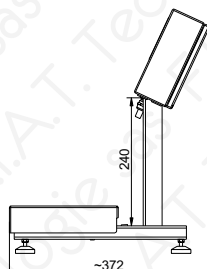
	A1	A2	B	C1	C2	D	E
WPT...H2	246	306	103 ± 3	268	208	~535	~485
WPT...H2/K	246	306	103 ± 3	268	208	-	-
WPT...H3	411	411	98 ± 2	370	370	~617	~613
WPT...H3/K	411	411	98 ± 2	370	370	-	-
WPT...H4	500	500	155 ± 5	400	400	~790	~718
WPT...H4/K	500	500	155 ± 5	400	400	-	-
WPT...H5	600	600	155 ± 5	500	500	~790	~818
WPT...H5/K	600	600	155 ± 5	500	500	-	-
WPT...H6	800	800	135 ± 5	740	720	~1100	~1050
WPT...H6/K	800	800	135 ± 5	740	720	-	-



Platform scale 150×200 mm with indicator installed on a pillar.
 WPT 3 H1 M V1 - version 1 standard - aluminum load cell in a 100 % waterproof construction, pillar height 24 cm;
 WPT 3 H1 M V2 - version 2 - aluminum load cell in a 100 % waterproof construction, pillar height 7 cm

WPT 3H1 scales are also available with indicator installed on a cable and max capacity 3kg/1g.

Scales are powered from mains, RS 232 slot comes as standard. On special request, the WPT 3H1 series is accessible in upgraded anti-corrosion steel.



Technical data:

	WPT 1,5/3H1	WPT 3H1
	WPT 1,5/3H1/K	WPT 3H1/K
Max capacity	1,5/3 kg	3 kg
Readability	0,5/1 g	1 g
Tare range	-3 kg	-3 kg
Pan size	200×150 mm	
Working temperature	-10° - +40 °C	
Output signal	RS 232	
IP rating	IP 67 - construction, IP 66/67 - indicator	
Power supply	230V AC, 50Hz / 11V AC and internal accumulator	
Operation time on accumulators	~45 h	
Display	LCD (backlit)	
Net weight / Gross weight	7/8,3 kg	
Packaging size	520×260×290 mm	

Additional equipment:

Epson dor matrix printer	Table for scale
Anti-dust case for Epson printer	RAD-KEY computer software
Stand for the indicator	PW-WIN computer software
RS 232 / Ethernet converter KR-04	LS-FS computer software
External power output	RS 232 cable - "Epson" printer: P0261
LCD display WWG-2 (digit height 4,5")	Power cord with jack for car lighter 12V: K0042
Conveyors: roller and other	LCD display in stainless steel housing
Anti-vibration table	

WATERPROOF PLATFORM SCALES WPT /HR



release date 01-07-2010



Stainless steel structure made of steel class AISI 316, IP 68
Load cell - stainless steel, IP 68

Waterproof platform scales series WPT/HR are designed for operation in locations with high humidity or direct contact with water. The scales can be used in places with no access to power supply from mains, as they feature internal rechargeable accumulator type SLA 6V/3,4Ah.

-  Counting pieces
-  Checkweighing
-  Summing function

Single load cell stainless steel platform scale series WPT HR is based on indicator series PUE C/31H. It is equipped with large backlit LCD display (6 digits), installed on a pillar for easy readout of measurement result. The indicator comprises 5 functional keys providing easy operation. Optionally, the scale is offered with indicator installed on a 3 meter cable for mounting it on wall. **The weighing platform structure is made of stainless steel class AISI 316 with stainless steel load cell installed in it. IP rating of the load cell is 68.** The scale features RS 232 interface, and optionally an additional display socket. The scale is powered from mains (230VAC 50Hz) or internal rechargeable accumulator (SLA 6V/3,4Ah). Optionally, the scale can be powered from mains - 110÷120VAC 60Hz (non-standard factory option).

Functions:

- Filter setting,
- Auto zero function,
- Baud rate setting,
- Continuous transmission through RS 232,
- Automatic operation through RS 232,
- Printout design for individual customer needs,
- Declaring data for printout (stable / unstable),
- Determination of minimal mass for functioning,
- Counting pieces,
- +/- control with set reference mass,
- Percent deviation from set reference mass,
- Maximal indication hold,
- Automatic tare,
- Tare memory on device restart,
- Memory of 10 tares,
- Manual tare insertion,
- Time defined scale switch off,
- Summing function,
- Animal weighing.

Dane techniczne:

	WPT 3HR2	WPT 6HR2	WPT 15HR2	WPT 15HR3	WPT 30HR3
	WPT 3HR2/K	WPT 6HR2/K	WPT 15HR2/K	WPT 15HR3/K	WPT 30HR3/K
Max capacity	3 kg	6 kg	15 kg	15 kg	30 kg
Minimal load	20 g	40 g	100 g	100 g	200 g
Readability	1 g	2 g	5 g	5 g	10 g
Verifying unit	1 g	2 g	5 g	5 g	10 g
Tare range	-3 kg	-6 kg	-15 kg	-15 kg	-30 kg
OIML class	III				
Pan size	250×300 mm			410×410 mm	
Working temperature	-10° - +40 °C				
Storage temperature	-25° - +70 °C				
IP rating	IP 68 - construction, IP 68 - load cell, IP 68/69 - indicator				
Output signal	RS 232				
Power supply	220+240VAC 50Hz (optional 110+120VAC 60Hz) oraz SLA 6V/3,4Ah				
Operation time on batteries	45 hours (average period of time)				
Display	LCD (backlit)				
Net weight / Gross weight	9/10,3 kg			15,5/17,3 kg	
Packaging dimensions	580×320×360 mm			670×510×330 mm	

Technical data:

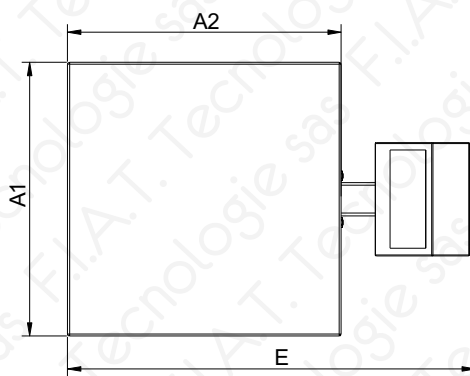
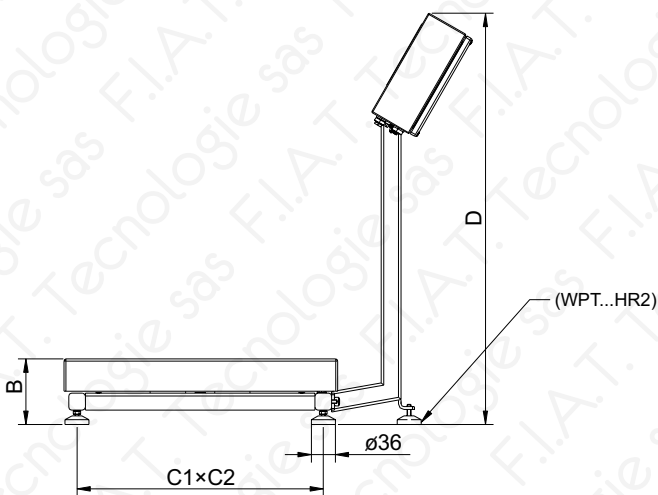
	WPT 60HR3	WPT 150HR3	WPT 60HR4	WPT150HR4	WPT 60HR5	WPT 150HR5
	WPT 60HR3/K	WPT 150HR3/K	WPT 60HR4/K	WPT150HR4/K	WPT 60HR5/K	WPT 150HR5/K
Max capacity	60 kg	150 kg	60 kg	150 kg	60 kg	150 kg
Minimal load	400 g	1000 g	400 g	1000 g	400 g	1000 g
Readability	20 g	50 g	20 g	50 g	20 g	50 g
Verifying unit	20 g	50 g	20 g	50 g	20 g	50 g
Tare range	-60 kg	-150 kg	-60 kg	-150 kg	-60 kg	-150 kg
OIML class	III					
Pan size	410×410 mm		500×500 mm		600×600 mm	
Working temperature	-10° - +40 °C					
Storage temperature	-25° - +70 °C					
IP rating	IP 68 - construction, IP 68 - load cell, IP 68/69 - indicator					
Output signal	RS 232					
Power supply	220+240VAC 50Hz (optional 110+120VAC 60Hz) SLA 6V/3,4Ah					
Operation time on batteries	45 hours (average period of time)					
Display	LCD (backlit)					
Net weight / Gross weight	15,5/17,3 kg		23,5/25,8 kg		29,5/31,8 kg	
Packaging dimensions	670×510×330 mm		840×600×400 mm		840×700×400 mm	

Technical data:

	WPT 3/6HR2	WPT 6/15HR2	WPT 15/30HR3	WPT 30/60HR3	WPT 60/150HR3
	WPT 3/6HR2/K	WPT 6/15HR2/K	WPT 15/30HR3/K	WPT 30/60HR3/K	WPT 60/150HR3/K
Max capacity	3/6 kg	6/15 kg	15/30 kg	30/60 kg	60/150 kg
Minimal load	20/40 g	40 g	100 g	200/400 g	400/1000 g
Readability	1/2 g	2/5 g	5/10 g	10/20 g	20/50 g
Verifying unit	1/2 g	2/5 g	5/10 g	10/20 g	20/50 g
Tare range	-6 kg	-15 kg	-30 kg	-60 kg	-150 kg
OIML class	III				
Pan size	250×300 mm		410×410 mm		
Working temperature	-10° - +40 °C				
Storage temperature	-25° - +70 °C				
IP rating	IP 68 - construction, IP 68 - load cell, IP 68/69 - indicator				
Output signal	RS 232				
Power supply	220+240VAC 50Hz (optional 110+120VAC 60Hz) and SLA 6V/3,4Ah				
Operation time on batteries	45 hours (average period of time)				
Display	LCD (backlit)				
Net weight / Gross weight	9/10,3 kg		15,5/17,3 kg		
Packaging dimensions	580×320×360 mm		670×510×330 mm		

Technical data:

	WPT 30/60HR4	WPT 60/150HR4	WPT 30/60HR5	WPT 60/150HR5
	WPT 30/60HR4/K	WPT 60/150HR4/K	WPT 30/60HR5/K	WPT 60/150HR5/K
Max capacity	30/60 kg	60/150 kg	30/60 kg	60/150 kg
Minimal load	200/400 g	400/1000 g	200/400 g	400/1000 g
Readability	10/20 g	20/50 g	10/20 g	20/50 g
Verifying unit	10/20 g	20/50 g	10/20 g	20/50 g
Tare range	-60 kg	-150 kg	-60 kg	-150 kg
OIML class	III			
Pan size	500×500 mm		600×600 mm	
Working temperature	-10° - +40 °C			
Storage temperature	-25° - +70 °C			
IP rating	IP 68 - construction, IP 68 - load cell, IP 68/69 - indicator			
Output signal	RS 232			
Power supply	220+240VAC 50Hz (optional 110+120VAC 60Hz) and SLA 6V/3,4Ah			
Operation time on batteries	45 hours (average period of time)			
Display	LCD (backlit)			
Net weight / Gross weight	23,5/25,8 kg		29,5/31,8 kg	
Packaging dimensions	840×600×400 mm		840×700×400 mm	



	A1	A2	B	C1	C2	D	E
WPT...H2	246	306	103 ± 3	268	208	~535	~485
WPT...H2/K	246	306	103 ± 3	268	208	-	-
WPT...H3	411	411	98 ± 2	370	370	~617	~613
WPT...H3/K	411	411	98 ± 2	370	370	-	-
WPT...H4	500	500	155 ± 5	400	400	~790	~718
WPT...H4/K	500	500	155 ± 5	400	400	-	-
WPT...H5	600	600	155 ± 5	500	500	~790	~818
WPT...H5/K	600	600	155 ± 5	500	500	-	-

Additional equipment:

Anti-vibration table for industrial scales	External power output AP-2-2 (stainless steel version)
Table for scales	RS 232 / Ethernet converter KR-04-2 (stainless steel version)
Kafka thermal printer	Stand for indicator PUE C31
Epson impact printer	Roller conveyors and conveyor sets
Anti-dust case for Epson printer	RS 232 cable: scale - thermal printer: P0253
PW-WIN computer software	RS 232 cable: scale - "Epson/Citizen" printer: P0261
RAD-KEY computer software	RS 232 cable: scale - computer: P0259
LCD display in stainless steel housing WD-4/3	Cable for plugging to car lighter 12V: K0042

CONTROL SCALES WPW/T/H/FH

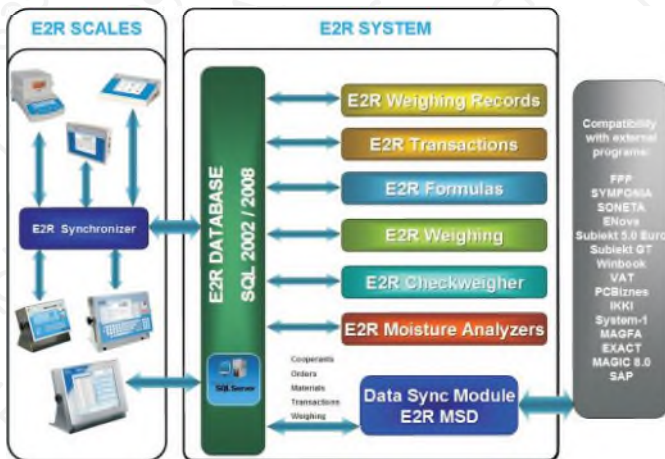


release date: 02-09-2011



E2R SYSTEM

Control scales **WPW/T/HR/FH** series are designed for fast controlling mass of a product that is batched directly on manufacturing-filling technological line. The scale can operate as a separate weighing station, however its complete functionality is achieved by joining number of scales into a computer managed network supported by application **E2R System** offered by **RADWAG**. The scale is dedicated mainly for fish and meat processing plants, requiring fast and reliable measurements combined with scale robust construction resistant to operating in harsh ambient conditions. Due to the specificity of major clients for whom scale the **WPW/T/HR/FH** series is dedicated, the instrument's construction is fully made of stainless steel **AISI316**, and stainless steel load cell with **IP rating 68/69K**. The scale is equipped with a terminal **PUE C41H** series with stainless steel housing made of 0H18N9 (AISI 304) steel and comprising a clear LCD display. All connecting conductors and external wiring (power cord, conductor joining indicator and weighing platform, Ethernet-scale cable) are made of special wire with polyurethane isolation, known as **PUR**. The PUR conductors are used in areas requiring high resistance to chemical agents, lubricants, oils and solvents. Application of indicating diodes system enables immediate determining the weighing range of a measured load. Such extended functionality shortens and speeds up product batching and packaging process, and additionally improves efficiency of workers operating the technological line.



Instances of WPW/T/H/FH application in industry *

* Racks for scales do not come standard, and they are subject to individual valuations.

Technical data:

	WPW/T 1,5/H1/FH	WPW/T 3/H1/FH	WPW/T 6/H2/FH	WPW/T 15/H2/FH	WPW/T 15/H3/FH	WPW/T 30/H3/FH	WPW/T 60/H3/FH
Maximum capacity	1,5 kg	3 kg	6 kg	15 kg	15kg	30 kg	60 kg
Readability	0,5 g	1 g	2 g	5 g	5 g	10 g	20 g
Minimum load	10 g	20 g	40 g	100 g	100 g	200 g	400 g
Tare range	-1,5 kg	-3 kg	-6 kg	-15 kg	-15 kg	-30 kg	-60 kg
Pan size	150x200 mm	150x200 mm	250x300 mm	250x300 mm	410x410 mm	410x410 mm	410x410 mm
OIML class	III						
Working temperature	-10° ÷ +40 °C						
Output signal	RS 232, RS 485						
IP rating	IP 66/67						
Power supply	220 ÷ 240 V AC 50÷60 Hz						
Display	LCD						

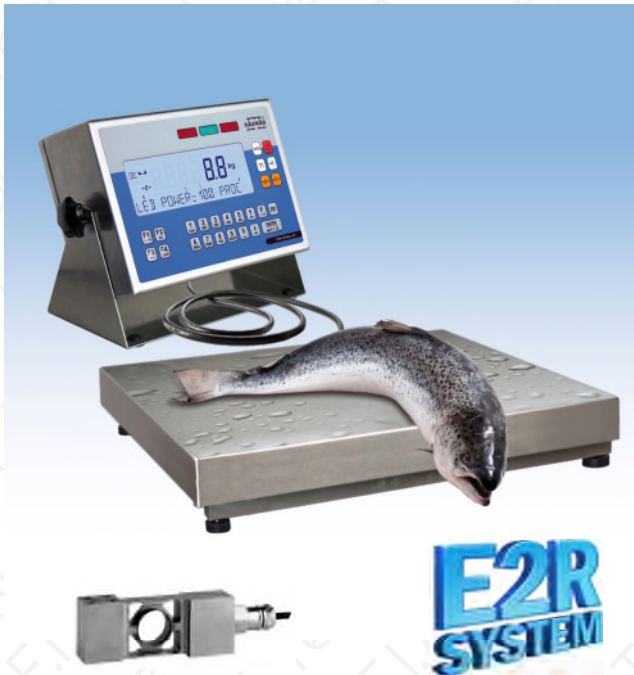
RADWAG Balances and Scales

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CONTROL SCALES WPW/T/HR/FH



release date: 06-09-2011



Control scales **WPW/T/HR/FH** series are designed for fast controlling mass of a product that is batched directly on manufacturing-filling technological line. The scale can operate as a separate weighing station, however its complete functionality is achieved by joining number of scales into a computer managed network supported by application **E2R System** offered by **RADWAG**.

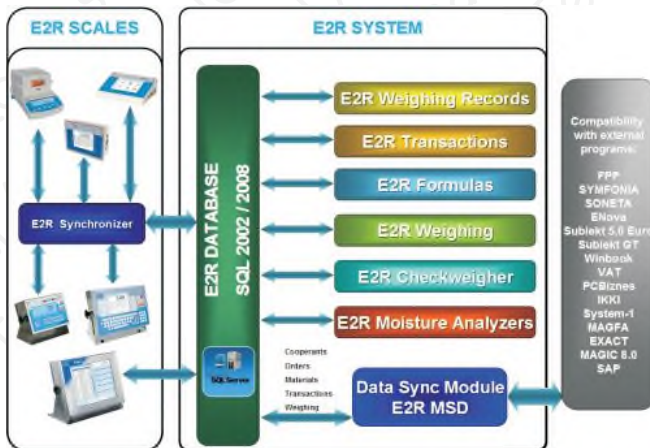
The scale is dedicated mainly for fish and meat processing plants, requiring fast and reliable measurements combined with scale robust construction resistant to operating in harsh ambient conditions. Due to the specificity of major clients for whom scale the **WPW/T/HR/FH** series is dedicated, the instrument's construction is fully made of **stainless steel AISI316**, and **stainless steel load cell with IP rating 68/69K**. The scale is equipped with a terminal **PUE C41H** series with stainless steel housing made of **0H18N9** (AISI 304) steel and comprising a clear LCD display. All connecting conductors and external wiring (power cord, conductor joining indicator and weighing platform, Ethernet-scale cable) are made of special wire with polyurethane isolation, known as **PUR**. The PUR conductors are used in areas requiring high resistance to chemical agents, lubricants, oils and solvents. Application of indicating diodes system enables immediate determining the weighing range of a measured load. Such extended functionality shortens and speeds up product batching and packaging process, and additionally improves efficiency of workers operating the technological line.

Scale structure:

- stainless steel AISI 316, IP 68

Load cell:

- stainless steel 1.4548, IP 68/69K



Instances of WPW/T/HR/FH applications in industry*

* Racks do not come standard with the scales, and they are subject to individual valuation.

Technical data:

	WPW/T 3/HR2/FH	WPW/T 6/HR2/FH	WPW/T 15/HR2/FH	WPW/T 15/HR3/FH	WPW/T 30/HR3/FH	WPW/T 60/HR3/FH
Max capacity	3 kg	6 kg	15 kg	15kg	30 kg	60 kg
Readability	1 g	2 g	5 g	5 g	10 g	20 g
Minimum load	20 g	40 g	100 g	100 g	200 g	400 g
Tare range	-3 kg	-6 kg	-15 kg	-15 kg	-30 kg	-60 kg
Pan size	250×300 mm	250×300 mm	250×300 mm	410×410 mm	410×410 mm	410×410 mm
OIML class	III					
Working temperature	-10° + +40 °C					
Output signal	RS 232, RS 485					
IP rating	IP 68 - structure, IP 68/69K - load cell, IP 66/67 - terminal					
Power supply	220 + 240 V AC 50+60 Hz					
Display	LCD					

RADWAG Balances and Scales

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4 LOAD CELL MILD STEEL SCALES



release date 27-04-2015



Measurement with application of 4 load cells is a guarantee of precise mass reading, regardless of load positioning on the weighing platform.

Platform scales WPT/4 series are made of mild steel powder coated construction and feature mild steel powder coated weighing platform with grooved surface.

The platform comprises 4 load cells connected to an indicator PUE C/31 series featuring backlit LCD display and 5 function buttons, and connected through a 3 meter long cable to the weighing platform.

Scales with the largest weighing platforms (models C10 and C11) come standard with indicator PUE C31H series. Scales are powered from mains or by batteries (6xAA), RS 232 output is offered as standard. WPT/4 series is ready for installation in pit version which does not require application of ramps.

-  Parts counting
-  Percent weighing
-  Plus/minus control
-  Animal weighing
-  Totalizing
-  Under hook weighing
-  Peak hold
-  Newton unit measurement
-  Replaceable unit
-  Internal battery

Technical specification:

	WPT/4 150 C6	WPT/4 300 C6	WPT/4 600 C6	WPT/4 1500 C6	WPT/4 150 C7	WPT/4 300 C7
Max capacity	150 kg	300 kg	600 kg	1500 kg	150 kg	300 kg
Min capacity	1 kg	2 kg	4 kg	10 kg	1 kg	2 kg
Readability	0,05 kg	0,1 kg	0,2 kg	0,5 kg	0,05 kg	0,1 kg
Tare range	-150 kg	-300 kg	-600 kg	-1500 kg	-150 kg	-300 kg
Pan size	800×800 mm	800×800 mm	800×800 mm	800×800 mm	1000×1000 mm	1000×1000 mm
Working temperature	-10° - +40 °C					
Atmospheric humidity	10÷85% RH no condensation					
IP rating	IP 65 construction, IP 67 cell, IP 43 indicator					
Output signal	RS 232					
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery					
Display	LCD (backlit)					
Scale weight with indicator	55 kg	55 kg	55 kg	55 kg	80 kg	80 kg
Platform height	116 +/-6 mm	116 +/-6 mm	120 +/-10 mm	120 +/-10 mm	116 +/-6 mm	116 +/-6 mm

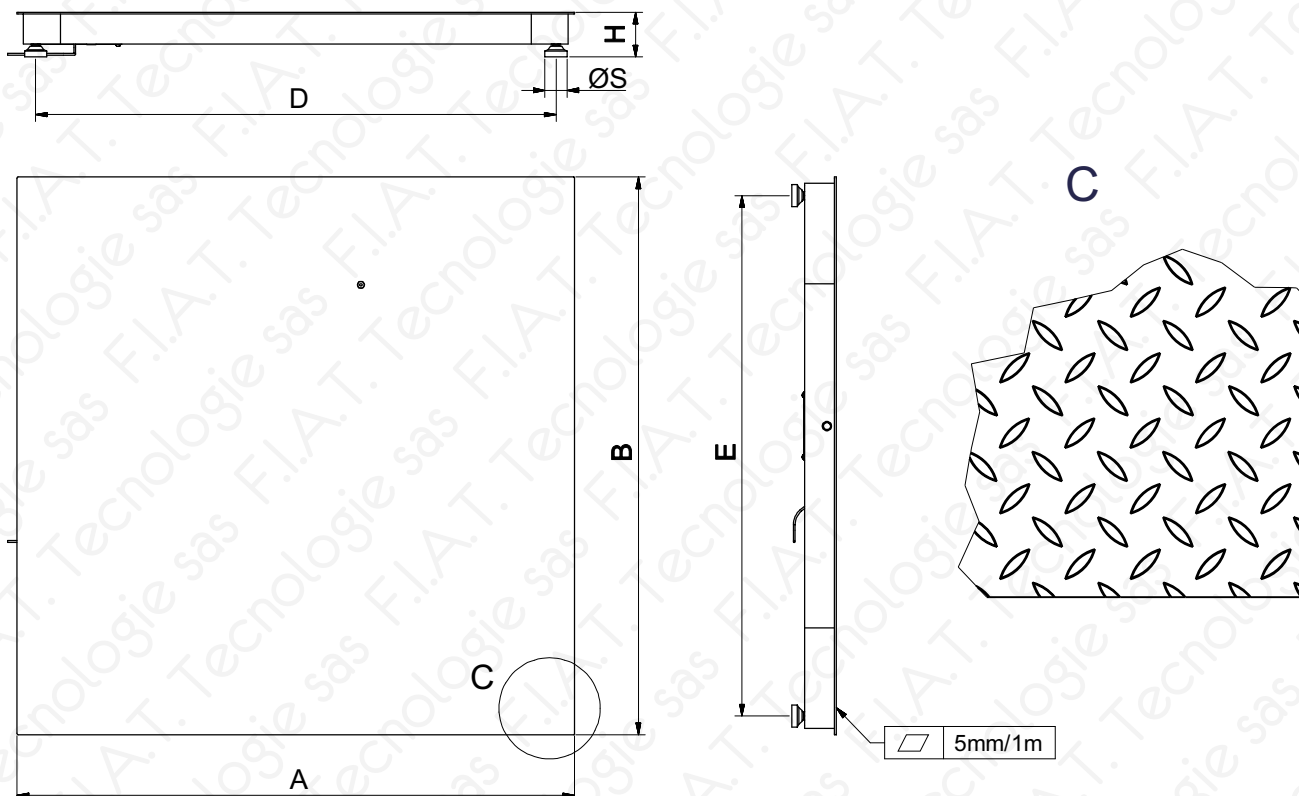
Technical specification:

	WPT/4 600 C7	WPT/4 1500 C7	WPT/4 1500 C8	WPT/4 3000 C8	WPT/4 1500 C8/9	WPT/4 3000 C8/9
Max capacity	600 kg	1500 kg	1500 kg	3000 kg	1500 kg	3000 kg
Min capacity	4 kg	10 kg	10 kg	20 kg	10 kg	20 kg
Readability	0,2 kg	0,5 kg	0,5 kg	1 kg	0,5 kg	1 kg
Tare range	-600 kg	-1500 kg	-1500 kg	-3000 kg	-1500 kg	-3000 kg
Pan size	1000×1000 mm	1000×1000 mm	1200×1200 mm	1200×1200 mm	1200×1500 mm	1200×1500 mm
Working temperature	-10° - +40 °C					
Atmospheric humidity	10÷85% RH no condensation					
IP rating	IP 65 construction, IP 67 cell, IP 43 indicator					
Output signal	RS 232					
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery					
Display	LCD (backlit)					
Scale weight with indicator	80 kg	80 kg	110 kg	110 kg	135 kg	135 kg
Platform height	120 +/-10 mm					

Technical specification:

	WPT/4 1500 C9	WPT/4 3000 C9	WPT/4 3000 C10	WPT/4 6000 C10	WPT/4 3000 C11	WPT/4 6000 C11
Max capacity	1500 kg	3000 kg	3000 kg	6000 kg	3000 kg	6000 kg
Min capacity	10 kg	20 kg	20 kg	40 kg	20 kg	40 kg
Readability	0,5 kg	1 kg	1 kg	2 kg	1 kg	2 kg
Tare range	-1500 kg	-3000 kg	-3000 kg	-6000 kg	-3000 kg	-6000 kg
Pan size	1500×1500 mm	1500×1500 mm	1500×2000 mm	1500×2000 mm	2000×2000 mm	2000×2000 mm
Working temperature	-10° - +40 °C					
Atmospheric humidity	10+85% RH no condensation					
IP rating	IP 65 construction, IP 67 cell, IP 43 indicator					
Output signal	RS 232					
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / 12 V DC + battery					
Display	LCD (backlit)					
Scale weight with indicator	160 kg	160 kg	230 kg	280 kg	290 kg	350 kg
Platform height	120 +/-10 mm	120 +/-10 mm	120 +/-10 mm	160 +/-10 mm	120 +/-10 mm	160 +/-10 mm

Dimensions:



Platform	A [mm]	B [mm]	D [mm]	E [mm]	H [mm]	S [mm]
C6	800	800	700	700	120 +/-10	60
C7	1000	1000	900	900	120 +/-10	60
C8	1200	1200	1100	1100	120 +/-10	60
C8/9	1200	1500	1100	1400	120 +/-10	60
C9	1500	1500	1400	1400	120 +/-10	60
C10	1500	2000	1400	1900	120 +/-10	60
C11	2000	2000	1900	1900	120 +/-10	60
C10*	1500	2000	1380	1880	160 +/-10	80
C11*	2000	2000	1880	1880	160 +/-10	80

* - For balances: 3000/6000 kg i 6000 kg

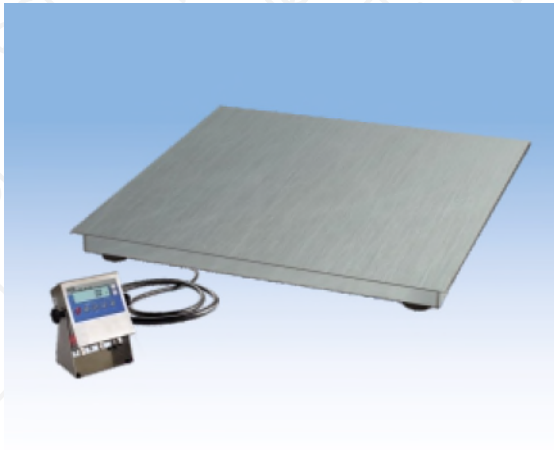
Additional equipment:

RACK FOR INDICATOR	DOT MATRIX PRINTER "EPSON": TM-U220D, TM-U220B, TM-U220A
ADDITIONAL LCD DISPLAY	COMPUTER SOFTWARE: PW-WIN, RAD-KEY, REC-FS, LS-FS
LARGE SIZE ADDITIONAL DISPLAY	RS 232/RS 485 CONVERTER
	FRAME FOR PIT VERSION

4 LOAD CELL STAINLESS STEEL SCALE



release date 15-11-2012



Measurement with application of 4 load cells is a guarantee of precise readout, regardless of load position on the weighing platform.

This platform scales series WPT/4H with 4 load cells are manufactured in fully stainless steel technology with stainless steel indicator series PUE C/31H with backlit LCD display. The indicator is installed on a 3 meter long cable with possibility of mounting on wall. WPT/4H is available with capacity from 300 kg/100g to 6000 kg/2000g.

Scales are powered from mains, RS 232 output is offered as standard.



Counting pieces



Checkweighing



Summing function

Technical data:

	WPT/4 300 H6	WPT/4 600 H6	WPT/4 300 H7	WPT/4 600 H7	WPT/4 1500 H7	WPT/4 1500 H8	WPT/4 3000 H8
Max capacity	300 kg	600 kg	300 kg	600 kg	1500 kg	1500 kg	3000 kg
Readability	100 g	200 g	100 g	200 g	500 g	500 g	1000 g
Tare range	-300 kg	-600 kg	-300 kg	-600 kg	-1500 kg	-1500 kg	-3000 kg
Pan size	800×800 mm	800×800 mm	1000×1000 mm	1000×1000 mm	1000×1000 mm	1200×1200 mm	1200×1200 mm
Working temperature	-10° - +40 °C						
Output signal	RS 232						
IP rating	IP 68 construction, IP 66/67 indicator						
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator						
Operation time on accumulators	~ 45 h (average)						
Display	LCD (backlit)						
Scale weight with indicator	59 kg	59 kg	84 kg	84 kg	94 kg	125 kg	130 kg
Platform height	88 mm	88 mm	88 mm	88 mm	88 mm	88 mm	111 mm

Technical data:

	WPT/4 1500 H8/9	WPT/4 3000 H8/9	WPT/4 1500 H9	WPT/4 3000 H9	WPT/4 3000 H10	WPT/4 6000 H10
Max capacity	1500 kg	3000 kg	1500 kg	3000 kg	3000 kg	6000 kg
Readability	500 g	1000 g	500 g	1000 g	1000 g	2000 g
Tare range	-1500 kg	-3000 kg	-1500 kg	-3000 kg	-3000 kg	-6000 kg
Pan size	1200×1500 mm	1200×1500 mm	1500×1500 mm	1500×1500 mm	1500×2000 mm	1500×2000 mm
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 68 construction, IP 66/67 indicator					
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator					
Time on accumulators	~45 h (average)					
Display	LCD (backlit)					
Scale weight with indicator	158 kg	165 kg	190 kg	200 kg	285 kg	350 kg
Platform height	88 mm	111 mm	88 mm	111 mm	111 mm	166 mm

Technical data:

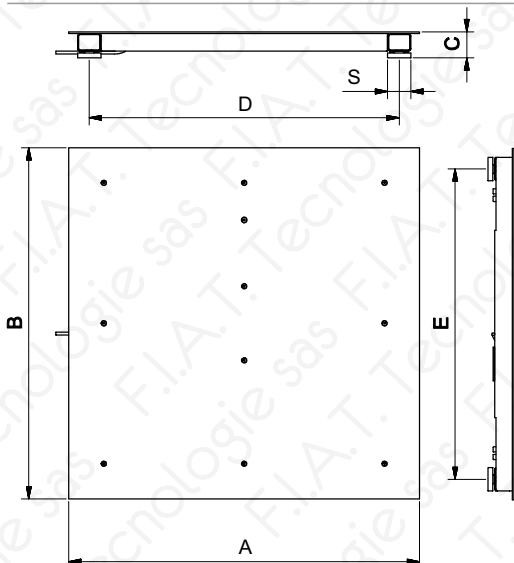
	WPT/4 300/600 H6	WPT/4 300/600 H7	WPT/4 600/1500 H7	WPT/4 600/1500 H8	WPT/4 1500/3000 H8
Max capacity	300/600 kg	300/600 kg	600/1500 kg	600/1500 kg	1500/3000 kg
Readability	100/200 g	100/200 g	200/500 g	200/500 g	500/1000 g
Tare range	-600 kg	-600 kg	-1500 kg	-1500 kg	-3000 kg
Pan size	800×800 mm	1000×1000 mm	1000×1000 mm	1200×1200 mm	1200×1200 mm
Working temperature	-10° - +40 °C				
Output signal	RS 232				
IP rating	IP 68 construction, IP 66/67 indicator				
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator				
Operation time on accumulators	~45 h (average)				
Display	LCD (backlit)				
Scale weight with indicator	59 kg	84 kg	94 kg	125 kg	130 kg
Platform height	88 mm	88 mm	88 mm	88 mm	111 mm

Technical data:

	WPT/4 600/1500 H8/9	WPT/4 1500/3000 H8/9	WPT/4 600/1500 H9	WPT/4 1500/3000 H9	WPT/4 1500/3000 H10	WPT/4 3000/6000 H10
Max capacity	600/1500 kg	1500/3000 kg	600/1500 kg	1500/3000 kg	1500/3000 kg	3000/6000 kg
Readability	200/500 g	500/1000 g	200/500 g	500/1000 g	500/1000 g	1000/2000 g
Tare range	-1500 kg	-3000 kg	-1500 kg	-3000 kg	-3000 kg	-6000 kg
Pan size	1200×1500 mm	1200×1500 mm	1500×1500 mm	1500×1500 mm	1500×2000 mm	1500×2000 mm
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 68 construction, IP 66/67 indicator					
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator					
Operation time on accumulators	~45 h (average)					
Display	LCD (backlit)					
Scale weight with indicator	158 kg	165 kg	190 kg	200 kg	285 kg	350 kg
Platform height	88 mm	111 mm	88 mm	111 mm	111 mm	166 mm

Additional equipment:

Kafka thermal printer	PW-WIN 2004 computer software
Epson impactprinter	RAD-KEY 2000 computer software
Anti-dust case for Epson printer	REC-FS 2000 computer software
Stand for measuring indicator	RS 232 cable: scale - thermal printer: P0136
KR-04 converter Rs232 / Ethernet	RS 232 cable: scale - "Epson" printer: P0151
Large LCD WWG-2 (digit height 4,5")	RS 232 cable: scale - computer: P0108
LCD display in plastic casing	Cable for plugging to car lighter 12V: K0047
	LCD display in stainless steel casing



	max	A x B	C	D x E	S
WPT/4 300 H6	300kg	800x800mm	88±2mm	660x660mm	Ø80
WPT/4 600 H6	600kg	800x800mm	88±2mm	660x660mm	Ø80
WPT/4 300 H7	300kg	1000x1000mm	88±2mm	860x860mm	Ø80
WPT/4 600 H7	600kg	1000x1000mm	88±2mm	860x860mm	Ø80
WPT/4 1500 H7	1500kg	1000x1000mm	88±2mm	860x860mm	Ø80
WPT/4 1500 H8	1500kg	1200x1200mm	88±2mm	1060x1060mm	Ø80
WPT/4 3000 H8	3000kg	1200x1200mm	111mm	1060x1060mm	Ø80
WPT/4 1500 H8/9	1500kg	1200x1500mm	88±2mm	1060x1360mm	Ø80
WPT/4 3000 H8/9	3000kg	1200x1500mm	111mm	1060x1360mm	Ø80
WPT/4 1500 H9	1500kg	1500x1500mm	88±2mm	1360x1360mm	Ø80
WPT/4 3000 H9	3000kg	1500x1500mm	111mm	1360x1360mm	Ø80
WPT/4 3000 H10	3000kg	1500x2000mm	111mm	1360x1860mm	Ø80
WPT/4 6000 H10	6000kg	1500x2000mm	166mm	1360x1860mm	Ø100

4 LOAD CELL STAINLESS STEEL SCALE



release date 30-04-2010



Measurement with application of 4 load cells is a guarantee of precise readout, regardless of load positioning on the weighing platform.

WPT/4HZ scales are manufactured in fully stainless steel technology and they are offered in pit version. They feature an open weighing platform for easy cleaning the area under the platform).

Stainless steel indicator PUE C/31H with backlit LCD display is installed on 3 meter long cable with possibility of mounting on wall. WPT/4HZ scale is offered with capacity from 300 kg / 100 g to 6000 kg / 2000g.

The scale is powered from mains, RS 232 output is offered as standard.



Counting pieces



Checkweighing



Summing function

Technical data:

	WPT/4 300 H6/Z	WPT/4 600 H6/Z	WPT/4 300 H7/Z	WPT/4 600 H7/Z	WPT/4 1500 H7/Z	WPT/4 1500 H8/Z	WPT/4 3000 H8/Z
Max capacity	300 kg	600 kg	300 kg	600 kg	1500 kg	1500 kg	3000 kg
Readability	100 g	200 g	100 g	200 g	500 g	500 g	1000 g
Tare range	-300 kg	-600 kg	-300 kg	-600 kg	-1500 kg	-1500 kg	-3000 kg
Pan size	800×800 mm	800×800 mm	1000×1000 mm	1000×1000 mm	1000×1000 mm	1200×1200 mm	1200×1200 mm
Working temperature	-10° - +40 °C						
Output signal	RS 232						
IP rating	IP 68 construction, IP 66/67 indicator						
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator						
Operation time on accumulators	~45 h (average)						
Display	LCD (backlit)						
Scale weight with indicator	75 kg	75 kg	105 kg	105 kg	115 kg	145 kg	155 kg
Platform height	88 mm	88 mm	88 mm	88 mm	88 mm	88 mm	111 mm

Technical data:

	WPT/4 1500 H8/9/Z	WPT/4 3000 H8/9/Z	WPT/4 1500 H9/Z	WPT/4 3000 H9/Z	WPT/4 3000 H10/Z	WPT/4 6000 H10/Z
Max capacity	1500 kg	3000 kg	1500 kg	3000 kg	3000 kg	6000 kg
Readability	500 g	1000 g	500 g	1000 g	1000 g	2000 g
Tare range	-1500 kg	-3000 kg	-1500 kg	-3000 kg	-3000 kg	-6000 kg
Pan size	1200×1500 mm	1200×1500 mm	1500×1500 mm	1500×1500 mm	1500×2000 mm	1500×2000 mm
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 68 construction, IP 66/67 indicator					
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator					
Operation time on accumulators	~45 h (average)					
Display	LCD (backlit)					
Scale weight with indicator	178 kg	195 kg	210 kg	230 kg	320 kg	325 kg
Platform height	88 mm	111 mm	88 mm	111 mm	111 mm	166 mm

Technical data:

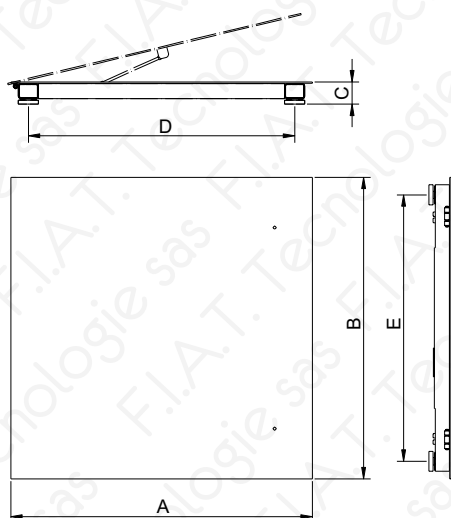
	WPT/4 300/600 H6/Z	WPT/4 300/600 H7/Z	WPT/4 600/1500 H7/Z	WPT/4 600/1500 H8/Z	WPT/4 1500/3000 H8/Z
Max capacity	300/600 kg	300/600 kg	600/1500 kg	600/1500 kg	1500/3000 kg
Readability	100/200 g	100/200 g	200/500 g	200/500 g	500/1000 g
Tare range	-600 kg	-600 kg	-1500 kg	-1500 kg	-3000 kg
Pan size	800x800 mm	1000x1000 mm	1000x1000 mm	1200x1200 mm	1200x1200 mm
Working temperature	-10° - +40 °C				
Output signal	RS 232				
IP rating	IP 68 construction, IP 66/67 indicator				
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator				
Operation time on accumulators	~45 h (average)				
Display	LCD (backlit)				
Scale weight with indicator	75 kg	105 kg	115 kg	145 kg	155 kg
Platform height	88 mm	88 mm	88 mm	88 mm	111 mm

Technical data:

	WPT/4 600/1500 H8/9/Z	WPT/4 1500/3000 H8/9/Z	WPT/4 600/1500 H9/Z	WPT/4 1500/3000 H9/Z	WPT/4 1500/3000 H10/Z	WPT/4 3000/6000 H10/Z
Max capacity	600/1500 kg	1500/3000 kg	600/1500 kg	1500/3000 kg	1500/3000 kg	3000/6000 kg
Readability	200/500 g	500/1000 g	200/500 g	500/1000 g	500/1000 g	1000/2000 g
Tare range	-1500 kg	-3000 kg	-1500 kg	-3000 kg	-3000 kg	-6000 kg
Pan size	1200x1500 mm	1200x1500 mm	1500x1500 mm	1500x1500 mm	1500x2000 mm	1500x2000 mm
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 68 construction, IP 66/67 indicator					
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator					
Operation time on accumulators	~45 h (average)					
Display	LCD (backlit)					
Scale weight with indicator	178 kg	195 kg	210 kg	230 kg	320 kg	325 kg
Platform height	88 mm	111 mm	88 mm	111 mm	111 mm	166 mm

Additional equipment:

Kafka thermal printer	PW-WIN 2004 computer software
Epson impact printer	RAD-KEY 2000 computer software
Anti-dust case for Epson printer	REC-FS 2000 computer software
Handle for measuring indicator	RS 232 cable: scale - thermal printer: P0136
KR-04 converter RS 232 / Ethernet	RS 232 cable: scale - "Epson/Citizen" printer: P0151
Power loop output AP2	RS 232 cable: scale - computer: P0108
Large LCD display (digit height 4,5")	LCD display in stainless steel casing

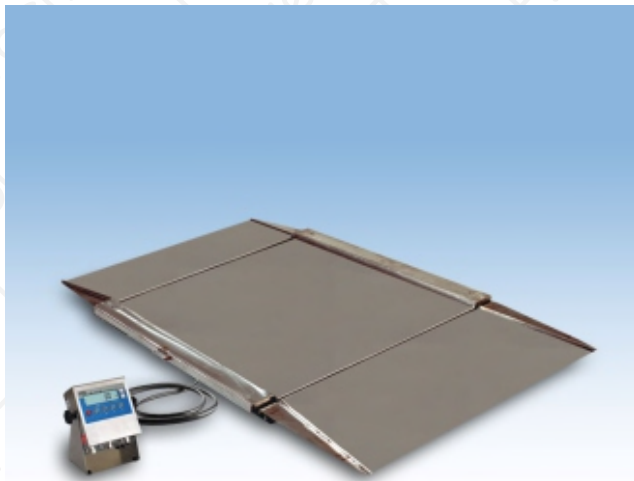


	max	AxB	C	DxE
WPT/4 300 H6	300kg	800x800mm	88±2mm	660x660mm
WPT/4 600 H6	600kg	800x800mm	88±2mm	660x660mm
WPT/4 300 H7	300kg	1000x1000mm	88±2mm	860x860mm
WPT/4 600 H7	600kg	1000x1000mm	88±2mm	860x860mm
WPT/4 1500 H7	1500kg	1000x1000mm	88±2mm	860x860mm
WPT/4 1500 H8	1500kg	1200x1200mm	88±2mm	1060x1060mm
WPT/4 3000 H8	3000kg	1200x1200mm	111mm	1060x1060mm
WPT/4 1500 H8/9	1500kg	1200x1500mm	88±2mm	1060x1360mm
WPT/4 3000 H8/9	3000kg	1200x1500mm	111mm	1060x1360mm
WPT/4 1500 H9	1500kg	1500x1500mm	88±2mm	1360x1360mm
WPT/4 3000 H9	3000kg	1500x1500mm	111mm	1360x1360mm
WPT/4 3000 H10	3000kg	1500x2000mm	111mm	1360x1860mm

RAMP SCALES



release date 27-02-2013



Ramp scales with stainless steel load cells are widely applied in meat, fish, pharmaceutical, cosmetic and chemical industry.

The WPT/4N series is manufactured in complete stainless steel technology with stainless steel indicator PUE C/31H series installed on a 3 meter long cable.

Ramp scales are manufactured from OH18N9 stainless steel. On special order, it is possible to manufacture ramp scales in upgraded anti-corrosion stainless steel version.



Parts counting



Checkweighing



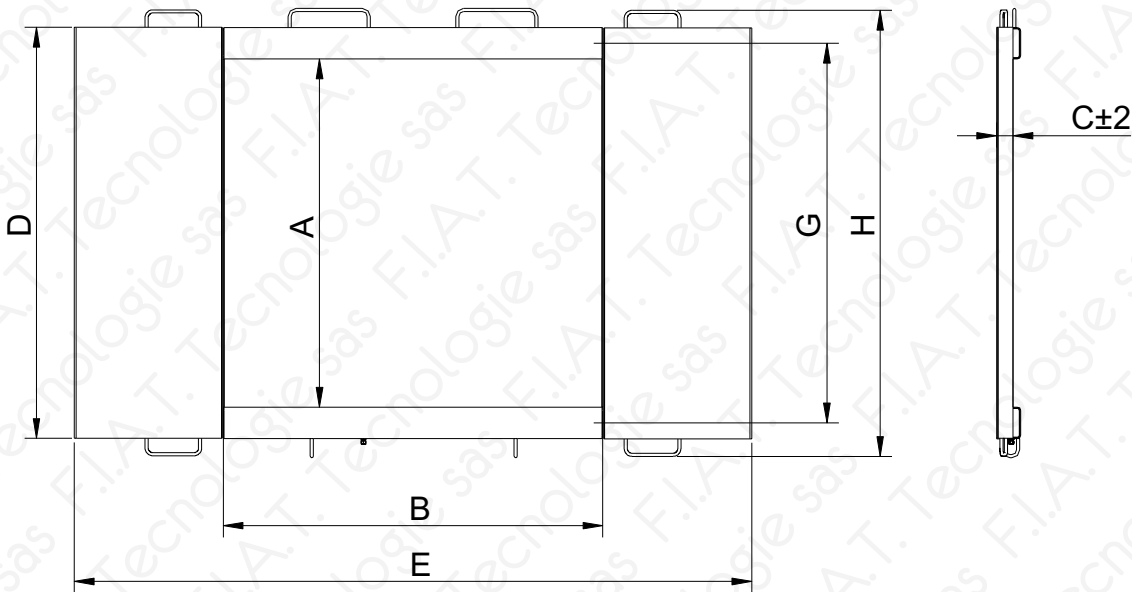
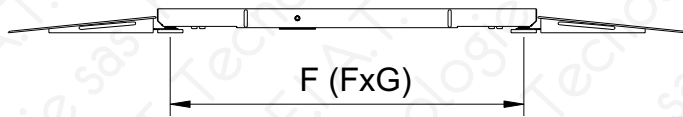
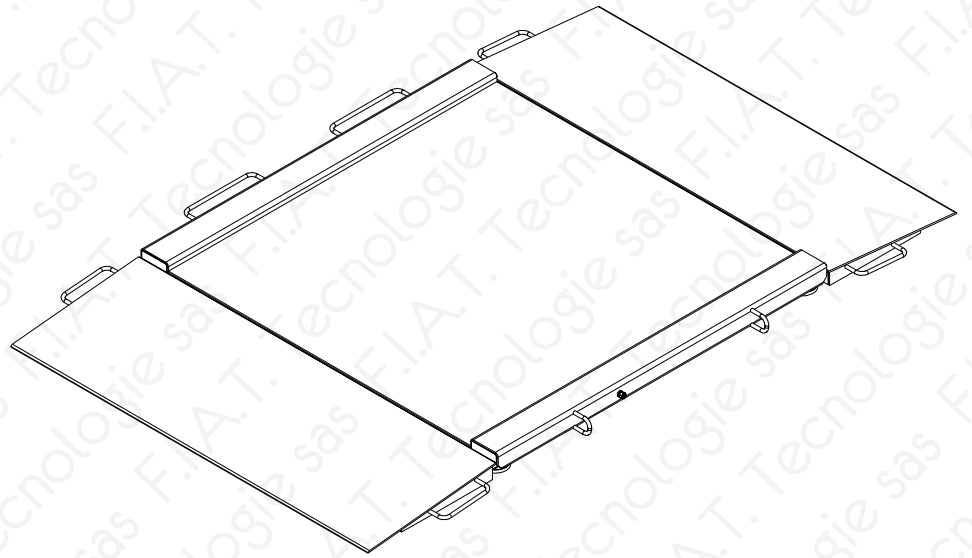
Totalizing

Technical data:

	WPT/4N 400H1	WPT/4N 400H2	WPT/4N 800H2	WPT/4N 1500H2	WPT/4N 800H3	WPT/4N 1500H3	WPT/4N 1500H4
Max capacity	400 kg	400 kg	800 kg	1500 kg	800 kg	1500 kg	1500 kg
Readability	200 g	200 g	500 g	500 g	500 g	500 g	500 g
Tare range	-400 kg	-400 kg	-800 kg	-1500 kg	-800 kg	-1500 kg	-1500 kg
Pan size	840×860 mm	1100×1200 mm	1100×1200 mm	1100×1200 mm	1200×1500 mm	1200×1500 mm	1500×1500 mm
Working temperature	-10° - +40 °C						
Output signal	RS 232						
IP rating	IP 68 construction, IP 66/67 indicator						
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator						
Display	LCD (backlit)						
Scale net weight with indicator	105 kg	150 kg	150 kg	190 kg	180 kg	230 kg	270 kg
Packaging size	1710×1160×76 mm	2050×1420×76 mm	2050×1420×76	2150×1420×77	2350×1520×76	2450×1520×77	2450×1820×77

Additional equipment:

Kafka thermal printer	PW-WIN 2004 computer software
Epson dot matrix printer	RAD-KEY 2000 computer software
Stand for the indicator	LS-FS computer software
Anti-dust case for EPSON printer	RS 232 cable: scale - "Kafka" printer: P0253
Converter RS232/Ethernet KR-04	RS 232 cable: scale - "Epson" printer: P0261
External power output	RS 232 cable: scale - computer: P0259
Large LCD display WWG-2 (digit height 4,5")	LCD display in stainless steel housing



	max	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]
WPT/4N 400 H1	400kg	840	860	45,5	1040	~ 1710	778	940	1170
WPT/4N 400 H2	400kg	1100	1200	45,5	1300	~ 2050	1118	1200	1430
WPT/4N 800 H2	800kg	1100	1200	45,5	1300	~ 2050	1118	1200	1430
WPT/4N 800 H3	800kg	1200	1500	45,5	1400	~ 2350	1418	1300	1530
WPT/4N 1500 H2	1500kg	1100	1200	52,5	1300	~ 2150	1118	1200	1430
WPT/4N 1500 H3	1500kg	1200	1500	52,5	1400	~ 2450	1418	1300	1530
WPT/4N 1500 H4	1500kg	1500	1500	52,5	1700	~ 2450	1418	1600	1830

DWM AUTOMATIC CHECKWEIGHER



issue date: 29-01-2016

CE M 16 1383



DWM automatic checkweighers provide the highest quality and weighing accuracy..

They are applied mainly for pharmaceutical and food industry. Using magnetolectric modules allows to weigh products quickly, providing accuracy of 0,01 g and efficiency 500 items/min. (depending on the product mass and dimensions). The device features a friendly, intuitive interface and several built-in functions that enable the statistical data operation and service process. Checkweighers allow a precise control of packaged products in accordance with the valid regulations. A modular base construction allows a flexible configuration of the device.

Complex communication modules fully integrate the scale with the production line, which makes it possible to operate it automatically. Connecting the checkweigher to the computer system allows to monitor production process on-line, save the weighments, generate the reports considering the weighing statistics, quantitative statistics and the production line failures and stoppages.

DWM automatic checkweighers series are designed to control single goods whose mass does not exceed 7500 g. Scale software enables setting the parameters according to customers regulations or according to the current regulation on Control of Packaged Goods. The flexible limits working mode was designed for pharmaceutical concerns. DWM automatic scales series are attested by NIH.

Main applications:

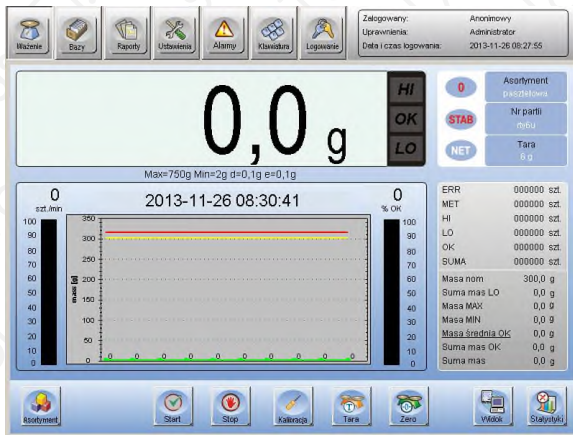
- Control of goods in accordance with regulation on Control of Packaged Goods
- The full control of production process
- Control over dosing devices
- Control over the products packaging precision
- Weighing medicines, blister packs, syrups, etc.

Technical data:

	DWM 750	DWM 1500	DWM 3000	DWM 7500
Max capacity	750 g	1500 g	3000 g	7500 g
Verification unit	0,1 g	0,2 g	0,5 g	1 g
Reading unit	0,1 g	0,2 g	0,5 g	1 g
Expanded reading unit	0,05 g	0,1 g	0,1 g	0,5 g
Min capacity	2 g	4 g	10 g	20 g
Tare range	-750 g	-1500 g	-3000 g	-7500 g
Conveyor velocity	1,6 m/s	1,6 m/s	1,6 m/s	1,6 m/s
Construction	Powder coated steel / stainless steel			
OIML class	XIII(1), Y(a)			
Working temperature	+5° ÷ +40 °C			
Protection level	IP 55/ 65			
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz			
Display	LCD 12"			
Keyboard	touch screen			
Interfaces	Ethernet, USB, RS 232, I/O			

Accessories:

Stacklight/optical signalling device	Inkjet printer
Product positioning unit	Label printer
Product infeed unit	Line congestion sensor
Bin for rejected products	Bin overload / rejection sensor
Metal detector	Pressure failure sensor
Report printer	Additional conveyor unit



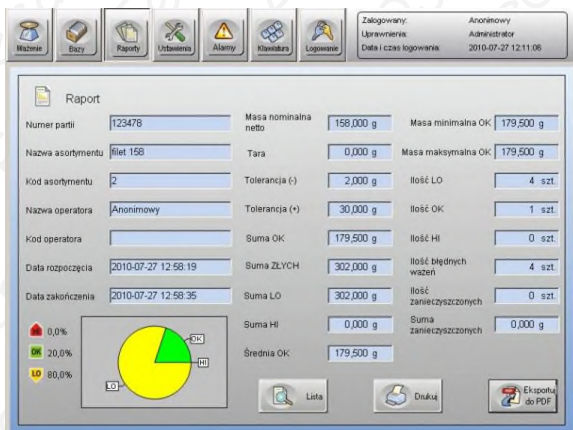
Main panel

Nazwa operatora	Kod operatora	Karta transponderowa	Autoryzacja
bogada1	1		0
bogada2	2		0
bogada3	3		0
bogada4	4		0
bogada r	r		0
radwag	12345		1

Autoryzacja:
0 - wagowcy
1 - administrator

Database window

Configuration panel



Report window

Software:

The checkweigher features an industrial computer and Windows Embedded operating system. This solution allows an intuitive and easy cooperation with the device. The scale and standard office interface are similar, which facilitates the operation.

Database module was designed on the basis of Microsoft SQL Server, which allows a stable and safe saving of data generated by the scale, as well as an easy connection of the database with the client's software. Saving the databases and weight records on two separate memory carriers provides high security.

All checkweigher elements like drives, rejectors, emergency buttons, warning lights are controlled by the real time controller, which guarantees the flow of work and an instant reaction to the emergency signals.

Checkweighers provide the full exchange of data via Ethernet network. The communication protocol ensures the automatic transfer of weight records, databases update, introduction of new settings and the device work monitoring in on-line mode.

Functions:

- Statistical weighing
- Dynamic weighing
- Database of operators on different access level
- Assortment database
- Weights database
- Reports database
- Tresholds control +/-
- Control of goods in accordance with regulation on Control of Packaged Goods
- Control of goods in accordance with customer regulations
- Autocontrol
- Automatic correction of the package mass
- Control of the rejector work accuracy
- The supply installation pressure control
- Bin overload sensor
- Cooperation with dozers
- Cooperation with PLC controller
- Reporting
- Export of reports to PDF files
- Control of products flow
- Control of products dimensions
- Flexible regulation of transporters velocity



Automatic checkweighers DWT/RC/HYF series are dedicated to work on production lines of food industry, where high humidity and frequent high-pressure cleaning are the major issues. The construction has been designed to enable fast and easy cleaning. Special emphasis has been put on elimination of gaps, spaces and flat surfaces susceptible to condensates and waterstains. The structure of the conveyor belt allows washing it inside and outside without disassembling. The electronics has been placed high above the weighing platform which minimizes the possibility of inundation of the control panel. Our checkweigher was created in accordance with vertical space division. "Clean zone" covers the range from the floor to the level of the conveyor belt (the area where food and production waste accumulates). "Technological zone" is placed above the production line.

The control mechanism is based on weighing head HY series facilitating easy communication between the operator and the machine and providing additional features.

Standard functions:

- Data base of operators and range of products
- R232 or 485 interface, USB and Ethernet interfaces
- I/O control
- Current weighing statistics
- Automatic printouts
- Reports
- Cooperation with computer software
- Generating reports in a form of a PDF file

Additional functions:

- Faulty goods discriminator
- Bar code reader
- This type of checkweighers can be equipped with standard ink printers and labeling printers allowing to print the tags of the weighed products
- Sounder / Warning tower lights for signaling current weighing range
- Cooperation with feeders, mounted to the front side, in a feedback system

Technical data:

	DWT/RC/10/HYF	DWT/RC/15/HYF	DWT/RC/30/HYF	DWT/RC/60/HYF	DWT/RC/120/HYF	DWT/RC/150/HYF
Max capacity	10 kg	15 kg	30 kg	60 kg	120 kg	150 kg
Readability	5 g	5 g	10 g	20 g	50 g	50 g
Tare range	-10 kg	-15 kg	-30 kg	-60 kg	-120 kg	-150 kg
Working temperature	-10° + +40 °C					
Power supply	230V AC					
IP rating	IP 66/67					
Display	5,7" graphic with touch screen display					
Conveyor belt	0,1 + 0,5 m/s					
Height of weighing platform	800 +/- 50 mm					



Automatic checkweighers series DWT/HL/HP are complex weighing solutions providing stable and reliable operation. Depending on version, they guarantee full weighing control of manufactured goods and optionally, with application of metal detector, they can detect metal contamination which may appear in goods.

Control unit is based on Windows Embedded software and SQL data base server.

Automatic checkweighers series DWT/HL/HP are dedicated mainly for those customers who expect high reliability and speed of operation. Scales are easily configurable, which makes them appropriate for various applications and customer expectations. Industrial computer which is used in automatic checkweigher DWT/HL/HP is designed to operate in hard industrial conditions, and cooperation with specially prepared Windows platform makes the system stable and allows for holding set parameters. Graphic display provides intuitive operation and has been already appreciated by users.

Application:

Automatic checkweighers series DWT/HL/HP are designed for control of single unit goods, which mass does not exceed 7,5kg. Scale software gives possibility of setting the parameters according to customers regulations or according to current regulation on Control of Packaged Goods. Automatic scales series DWT/HL/HP are attested by NIH.

Main applications:

- agri-food industry
- chemical industry
- pharmaceutical industry
- meat industry
- fish industry
- tobacco industry

Functions:

- Control of goods in accordance with regulation on Control of Packaged Goods,
- Control of goods in accordance with customer regulations,
- Record of data on controlled goods,
- Defining access level for each user,
- Discrimination of defective goods by weight,
- Extended statistics conducted in real time,
- Built-in performance meter line,
- Reports generated automatically in accordance with the weighing mode,
- Export of reports to PDF files,
- Possibility of cooperation with other devices in the processing line,
- Ability to remotely start and stop scale,
- Adjustable velocity setting,
- Autocontrol,
- Cooperation with computer software.

Cooperation with peripheral devices:

Automatic checkweigher DWT/HL/HP is prepared to cooperate with peripheral devices, and devices form processing line. I/O set provides broad configuration possibilities and full integration of scale with existing processing line.

- Cooperation with dosing device with feedback,
- Cooperation with barcode scanner,
- Printouts on thermal, ink jet and labeling printers,
- Control over conveyors on processing line,
- Remote control,
- Keeping records from weighing on computer.

Technical data:

	DWT/HL 600 HP	DWT/HL 1500 HP	DWT/HL 3000 HP	DWT/HL 6000 HP	DWT/HL 7500 HP
Max capacity	600 g	1500 g	3000 g	6000 g	7500 g
Readability	0,2 g	0,5 g	1 g	2 g	5 g
Tare range	-600 g	-1500 g	-3000 g	-6000 g	-7500 g
Working temperature	0° - +40 °C				
Power supply	230V AC or 120V AC				
IP rating	IP 55				
Display	graphic with touch screen				

DYNAMIC CHECKWEIGHERS DWT/HL/HPW



release date 29-01-2016

CE M 16 1383



Checkweighers series DWT/HL/HPW are advanced weighing instruments which guarantee failure free and stable operation. Series DWT/HL/HPW provide 100 % control of manufactured goods. Application of with metal detectors gives possibility for testing goods for metal contamination. Checkweighers series DWT/HL/HPW provide full control over goods and they are compatible with HACCP regulations applied in multiple manufacturing plants.

Control system is based on Windows Embedded and data base module operating with application of SQL Server.

Checkweigher series DWT/HL/HPW is dedicated to those customers who require high speed of operation and very good reliability. Flexible design of the device, and possibility of adjusting it to individual requirements, make series DWT/HL/HPW applicable in multiple areas. Industrial computer implemented into the system is designed for operation in hard industrial conditions.

Special version of Windows software creates a very stable set with very good operational parameters. Graphic panel provides user friendly and intuitive operation, which has been appreciated by operating personnel.

Application:

Checkweigher series DWT/HL/HPW are designed for control of single loads which mass does not exceed 7,5kg. scale software allows for control according to internal procedures of the customer or according to Prepacked Goods Control regulation. the checkweigher is attested by National Health Institute and it is compatible with HACCP standard.

Main applications: agri-food industry, chemical industry, pharmaceutical industry, meat industry, fish industry.

Functions:

- Control of goods in accordance with regulation on Control of Packaged Goods,
- Control of goods in accordance with customer regulations,
- Record of data on controlled goods,
- Defining access level for each user,
- Discrimination of defective goods by weight,
- Extended statistics conducted in real time,
- Built-in performance meter line,
- Reports generated automatically in accordance with the weighing mode, Export of reports to PDF files,
- Possibility of cooperation with other devices in the processing line,
- Ability to remotely start and stop scale,
- Adjustable velocity setting,
- Autocontrol,
- Cooperation with computer software.

Cooperation with peripheral devices:

Automatic checkweigher DWT/HL/HPW is prepared to cooperate with peripheral devices, and devices form processing line. I/O set provides broad configuration possibilities and full integration of scale with existing processing line.

- Cooperation with dosing device with feedback,
- Cooperation with barcode scanner,
- Printouts on thermal, ink jet and labeling printers,
- Control over conveyors on processing line,
- Remote control,
- Keeping records from weighing on computer.

Technical data:

	DWT/HL 600 HPW	DWT/HL 1500 HPW	DWT/HL 3000 HPW	DWT/HL 6000 HPW	DWT/HL 7500 HPW
Max capacity	600 g	1500 g	3000 g	6000 g	7500 g
Readability	0,2 g	0,5 g	1 g	2 g	5 g
Tare range	-600 g	-1500 g	-3000 g	-6000 g	-7500 g
Working temperature	0° - +40 °C				
Power supply	230V AC or 120V AC				
IP rating	IP 55				
Display	graphic with touch screen				

DYNAMIC CHECKWEIGHERS DWT/RC/HP



release date 29-01-2016

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Automatic checkweighers series DWT/RC/HP are dedicated to work on production lines of food industry, where high humidity and frequent high-pressure cleaning are the major issues. The construction has been designed to enable fast and easy cleaning. Special emphasis has been put on elimination of gaps, spaces and flat surfaces susceptible to condensates and waterstains. The structure of the conveyor belt allows washing it inside and outside without dissembling. The electronics has been placed high above the weighing platform which minimizes the possibility of inundation of the control panel. Our checkweigher was created in accordance with vertical space division. "Clean zone" covers the range from the floor to the level of the conveyor belt (the area where food and production waste accumulates). "Technological zone" is placed above the production line.

The control mechanism is based on PUE 5 indicator weighing head, facilitating easy communication between the operator and the machine and providing additional features.

- Standard functions:
- Data base of operators and range of products
- R232/485 and Ethernet interfaces
- I/O control
- Current weighing statistics
- Automatic printouts
- Reports
- Cooperation with computer software

- Additional functions:
- Faulty goods discriminator
- Bar code reader
- This type of checkweighers can be equipped with standard ink printers and labeling printers allowing to print the tags of the weighed products
- Acoustic/optical signaling of weighing ranges
- Cooperation with feeders, mounted to the front side, in a feedback system

Technical data:

	DWT/RC/10/HP	DWT/RC/15/HP	DWT/RC/30/HP	DWT/RC/60/HP	DWT/RC/120/HP	DWT/RC/150/HP
Max capacity	10 kg	15 kg	30 kg	60 kg	120 kg	150 kg
Readability	5 g	5 g	10 g	20 g	50 g	50 g
Tare range	-10 kg	-15 kg	-30 kg	-60 kg	-120 kg	-150 kg
Working temperature	-10° - +40 °C					
Power supply	230V AC					
IP rating	IP 66/67					
Display	LED and LCD					
Conveyor belt	0,1 - 0,5 m /s					
Height of weighing platform	550+800 mm lub 800 +/- 50 mm (other levels of platform on client requirement)					

DYNAMIC CHECKWEIGHERS DWT/RC



release date 29-01-2016

CE M 16 1383 ISO 9001 OIML



Automatic checkweigher DWT/RC series are devices designed for control of heavy loads or cumulative goods, and they provide full control of goods transported through a processing line. Devices are manufactured in two versions: mild steel and stainless steel, depending on customer requirements. Automatic scales DWT/HC series are equipped with terminal HY series, which ensures stability and reliability. HY controller, despite simple construction provides extended possibilities of cooperation with peripheral devices and supplies a set of informative-controlling signals which simplify integration with processing line. The terminal HY series features full alphanumeric keyboard, a touch screen colourful display thus ensuring very intuitive operation.

Application:

Automatic checkweighers series DWT/RC are designed for control of single unit goods according to customers regulations or according to current regulation on Control of Packaged Goods. Automatic scales series DWT/RC are attested by NIH.

- Main applications:
- agri-food industry,
- chemical industry
- meat industry
- tobacco industry
- distilling industry,
- engineering industry,
- brewing industry,
- transport, spedition.

Functions:

- Control of goods in accordance with regulation on Control of Packaged Goods,
- Control of goods in accordance with customer regulations,
- Record of data on controlled goods,
- Data base of products,
- Data base of operators,
- Statistics conducted in real time,
- Reports generated automatically in accordance with the weighing mode
- Cooperation with peripheral devices in a processing line,
- Remote control,
- Cooperation with computer software,
- Stop and go weighing mode.

Cooperation with peripheral devices:

Automatic checkweigher DWT/RC is prepared to cooperate with peripheral devices, and devices form processing line. I/O set provides broad configuration possibilities and full integration of scale with existing processing line.

- Printout on thermal printers,
- Remote control,
- Keeping records from weighing on computer,
- Control over additional conveyors,
- Cooperation with dosing device with feedback.

Technical data:

	DWT/RC/10SY DWT/RC/10HY	DWT/RC/15SY DWT/RC/15HY	DWT/RC/30SY DWT/RC/30HY	DWT/RC/150SY DWT/RC/150HY	DWT/RC/600SY DWT/RC/600HY
Max capacity	10 kg	15 kg	30 kg	150 kg	600 kg
Readability	5 g	5 g	10 g	50 g	200 g
Tare range	-10 kg	-15 kg	-30 kg	-150 kg	-600 kg
Working temperature	-10° - +40 °C				
Power supply	230V AC or 120V AC				
IP rating	IP 67/68 (HY version) IP 64 (SY version)				
Display	5,7" graphic touch screen display				
Throughput	max 50 pcs./min				
Speed	0,1 ÷ 0,5 m/s				

AUTOMATIC CHECKWEIGHER DWT/HL/HPC



release date 29-01-2016

CE M 16 1383



Specially designed checkweigher for weighing wafels filled with cream. A checkweigher is located in technological line after a set filling cream onto wafels. The scale controls thickness of dosed cream layer and through feedback it sets dosed amount on a constant level.

Controlling set is designed with application of Windows Embedded operational system and data base module SQL Server. Checkweigher dimensions are adjustable to customer requirements. The controlling set and control panel are mounted in a high pillar for minimization of damage by contamination or defect caused by cleaning process. Wafels are conveyed on o-rings. The area below the conveyors is empty for minimization of scale contamination and to facilitate cleaning process.

Application:

The checkweighers series DWT/HL/HPC have been designed for control of single loads (filled wafels) and control of cream dosing set. Software of the checkweigher allows for control of goods according to internal requirements of the customer or according to valid regulation of Prepacked Goods Control. The checkweigher has attestation by National Health Institute. The checkweigher can be optionally equipped with discriminator set for goods with incorrect mass.

Main application:

- sugar industry

Functions:

- Control of prepacked goods with compatible with PGC regulation;
- Control of prepacked goods compatible with internal requirements of the customer;
- Collection of data on weighed goods;
- Defining access levels for each operator;
- Discrimination of goods with incorrect mass;
- Extended statistics conducted in real time;
- Build-in line efficiency meter;
- Reports generated automatically compatible with current operation mode of the scale;
- Export of reports to PDF files;
- Possibility of cooperation with peripheral devices in technologiucal line;
- Possibility of remote control of the scale;
- Smooth adjustment of scale speed;
- Autocontrol;
- Cooperation with computer systems.

Cooperation with peripheral devices:

- Cooperation with batcher in feedback set;
- Printout on thermal printers and label printers;
- Possibilitz of controlling conveyors in technological line;
- Possibility of remote start-up;
- Records from weighing saved on external computer;
- Discriminator of goods with incorrect mass.

Basic technical data:

- Windows Embedded industrial system;
- Industrial computer dedicated for operation in industrial conditions;
- Graphic touch screen;
- Memory 80 GB;
- SQL Server data base system;
- Ports RS232, USB;
- Ethernet;
- Operation of controlling - informative outputs;
- IP55.

Technical parameters:

	DWT/HL 1500 HPC	DWT/HL 3000 HPC
Max capacity	1500 g	3000 g
Readability	1 g	2 g
Tare range	-1500 g	-3000 g
Temperature range	0° - +40 °C	
Power supply	230V AC 50Hz	
IP rating	IP 55	
Performance	max 60 psc/min	
Speed	0,1-1 m/s	
Display	graphic with touch screen	

DYNAMIC CHECKWEIGHERS DWT/RC/SYR



release date 29-01-2016

CE M 16 1383



Automatic checkweighers series DWT/RC/SYR with driven roller conveyor are designed for mass determination of heavy loads (for instance pallets or big cartons).

Determination of mass can be done dynamically while continuous moving the load through the conveyor, or statically. Such scales are used of metal and forwarding industry.

Scale have EC type approval, and are offered as EC verified.

Technical data:

	DWT/RC/300/SYR DWT/RC/300/HYR	DWT/RC/600/SYR DWT/RC/600/HYR	DWT/RC/1500/SYR DWT/RC/1500/HYR	DWT/RC/3000/SYR DWT/RC/3000/HYR	DWT/RC/6000/SYR DWT/RC/6000/HYR
Max capacity	300 kg	600 kg	1500 kg	3000 kg	6000 kg
Readability	100 g	200 g	500 g	1000 g	2000 g
Tare range	-300 kg	-600 kg	-1500 kg	-3000 kg	-6000 kg
Working temperature	-10° - +40 °C				
Power supply	230V AC, 50Hz or 400V AC, 50Hz				
IP rating	IP 66/67 (HYR version) IP 54 (SYR version)				
Display	5,7" touch screen				



Automatic rotational checkweighers is intended to operate in a technological line manufacturing products packed into cylindrically shaped containers, e.g. aerosols, sprays, glass bottles, plastic bottles, etc.

Control unit is based on Windows Embedded software and SQL database server. Dual core industrial computer is designed for use in hard industrial conditions, and cooperation with specially prepared Windows system makes this platform very stable and allows for holding set parameters. Graphic communication panel makes the operation very easy and intuitive, which has been already appreciated by users. Rotational device is not equipped with its own conveyor belt, it is mounted over an existing one, which significantly shortens and simplifies scale installation. Scale is electrically powered, which provides its high durability and reliability, and precision of containers positioning.

Application:

The rotational scale is intended to control single bottles and packages like aerosol. System is operating in accordance with regulation on Control of Prepackaged Goods.

The system is frequently used in the following industrial branches:

- chemical,
- pharmaceutical,
- Distilling industry,
- Food processing industry.

Functions:

- Rotational scales provide 100 % control of goods transported on the processing line. Goods that do not meet set thresholds are discriminated from the line.
- Control of goods in accordance with regulation on Control of Prepackaged Goods,
- Records on data on controlled goods,
- Defining access level for each user,
- Editable access level for scale user,
- Discrimination of goods with incorrect mass,
- Extended statistics conducted in real time,
- Built-in line performance meter,
- Reports generated automatically in accordance with the weighing mode,
- Export of reports to PDF files,
- Saving weighing records to a file,
- Cooperation with peripheral devices in a processing line,
- Remote start and stop of the scale,
- Line congestion detection,
- Detection of missing goods,
- Detection of a filled tray with waste,
- Cooperation with computer software E2R and application Checkweigher SWD,
- Automatic adjustment process,
- Gate blocking containers feeding,
- Adjustable swivel wheel in real time,
- „PAUSE” mode for temporary suspending of weighing process,
- Button for emptying the scale from containers,
- Automatic zeroing during operation,
- Drive protection against overloading.

Basic technical data:

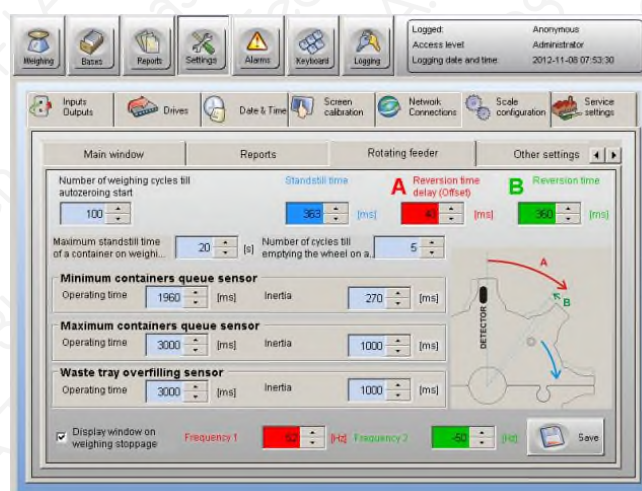
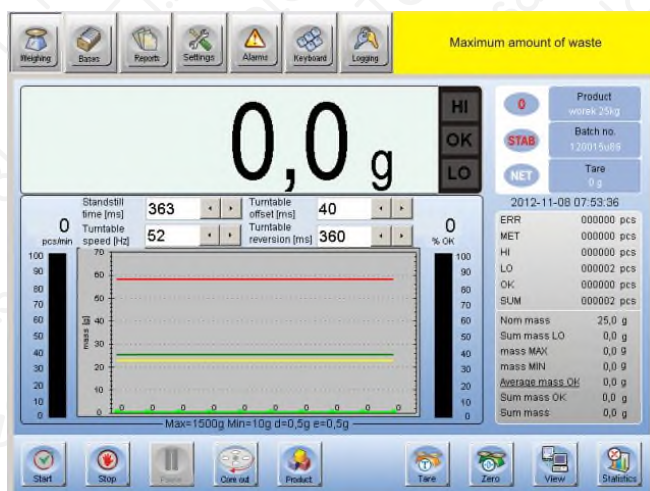
- Industrial Windows Embedded system,
- Dual core industrial computer designed to operate in hard conditions,
- 12" colourful touch screen display,
- Databases supported by SQL Server,
- Interfaces and ports RS232, USB and Profibus*,
- Ethernet,
- Controlling-informative outputs control,

*- Profibus module available on client's request (option)



Rotational mechanism is a checkweigher DWR/H series

Screenshots from the software:



Cooperation with peripheral devices:

Rotational scale is prepared to cooperate with peripheral devices intended for the checkweigher, and devices form processing line. I/O set provides broad configuration possibilities and full integration of scale with existing processing line.

- Cooperation with dosing device with feedback,
- Cooperation with a barcode scanner,
- Printouts on labeling and receipt printers,
- Remote start and stop of the scale,
- Records from weighing stored on an external computer.

Technical data:

	DWR 600 H1	DWR 1500 H1	DWR 3000 H1	DWR 6000 H1	DWR 7500 H1
Max capacity	600 g	1500 g	3000 g	6000 g	7500 g
Readability	0,2 g	0,5 g	1 g	2 g	5 g
Tare range	-600 g	-1500 g	-3000 g	-6000 g	-7500 g
Working temperature	0° + +40 °C				
Power supply	230V AC 50Hz				
Working pressure	6 ÷ 8 bar				
Performance	80 pcs / min - single platform version 160 pcs / min dual platform version				
Display	graphic touch screen display				



HY10.HRP, the series of professional high resolution scales, perfectly suits every single branch of industry requiring great weighing accuracy, precision and repeatability of measurement in challenging industrial environment.

Automatic adjustment performed by means of an internal adjustment weight guarantees the highest quality of operation and repeatability of measurement. In comparison to manual adjustment process the automatic one is both, time-saving and convenient.

Data safety and archiving is assured by software dedicated for RADWAG terminals.

Features:

- ✓ Brand new design of an electromagnetic mechanism housed in a dustproof and waterproof casing
- ✓ Overload protection
- ✓ An in-built adjustment system equipped with an internal adjustment weight
- ✓ High IP rating for the terminal, IP68/69, and the platform, Ip67
- ✓ Interfaces: RS 232, USB, Ethernet and customized 4 INs and 4 OUTs for cooperation with peripherals

Technical specification:

	HY10.62.HRP	HY10.120.HRP
Max capacity [Max]	62 kg	120 kg
Minimum load [Min]	25 g	50 g
Reading unit [d]	0,5 g	1 g
Tare range	-62 kg	-120 kg
Preload range	30 kg	10 kg
Repeatability *	0,3 g	1 g
Linearity	± 1 g	± 2 g
Weighing pan	500 × 500 mm	500 × 500 mm
Working temperature	+10° ÷ +40 °C	
Relative humidity **	40% ÷ 80%	
IP rate	IP 66/67 construction, IP 68/69 indicator	
Housing	Construction: Plastic-coated steel, Weighing pan: stainless steel	
Stabilization time ***	~ 3 s	
Sensitivity drift	2 ppm/°C in temperature +10° ÷ +40°C	
LCD display	10,1" touch panel	
Standard interfaces	2×RS 232, 2×USB, 1×Ethernet, 4 IN / 4 OUT	
Optional interfaces	Module 12 × IN / 12 × OUT, Module AN, Module PROFIBUS, Module CAN Open, Wi-Fi	
Power supply	100÷240 V AC 50÷60 Hz	
Adjustment	internal	
Net weight / Gross weight	37 kg / 52 kg	37 kg / 52 kg
Platform dimensions	513×500×150 mm	513×500×150 mm
Platform/terminal packaging dimensions	700×700×295 mm / 415×345×225 mm	700×700×295 mm / 415×345×225 mm

* - Repeatability is expressed as a standard deviation from 10 weighing cycles

** - Non-condensing conditions

*** - Optimal ambient conditions

Technical specification:

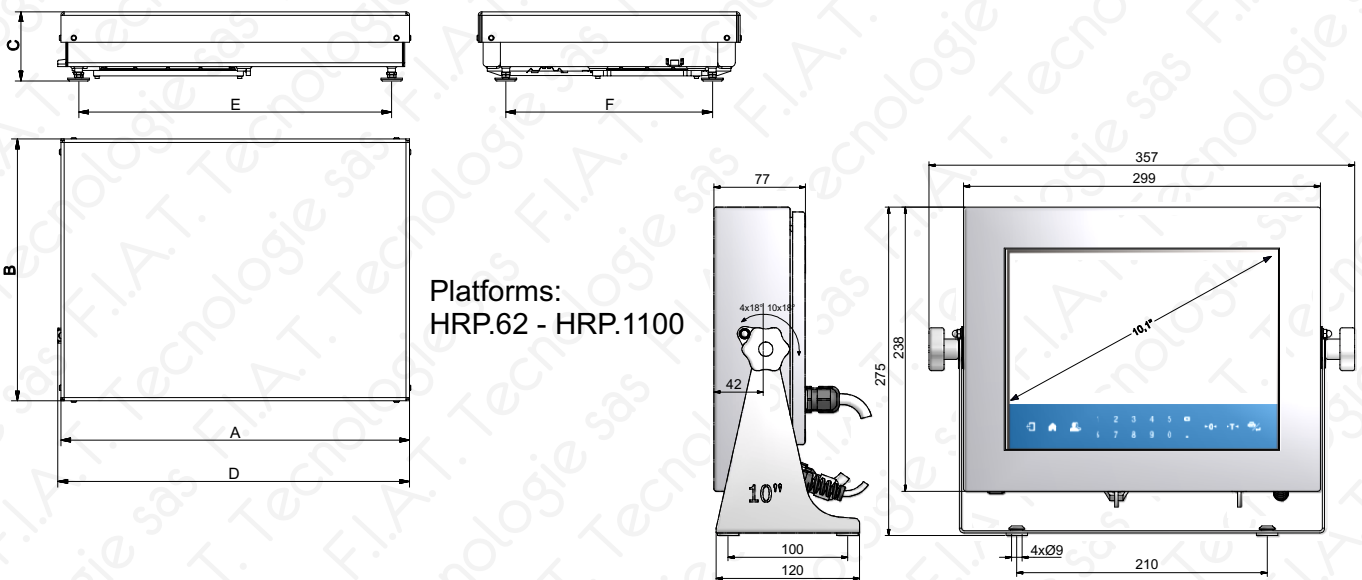
	HY10.150.HRP	HY10.300.HRP	HY10.300.1.HRP	HY10.600.HRP	HY10.1100.HRP
Max capacity [Max]	150 kg	300 kg	300 kg	600 kg	1100 kg
Minimum load [Min]	50 g	100 g	100 g	250 g	500 g
Reading unit [d]	1 g	2 g	2 g	5 g	10 g
Tare range	-150 kg	-300 kg	-300 kg	-600 kg	-1100 kg
Preload range	30 kg	60 kg	60 kg	60 kg	100 kg
Repeatability *	1,5 g	3 g	3 g	7,5 g	15 g
Linearity	± 3 g	± 6 g	± 6 g	± 15 g	± 30 g
Weighing pan	800 × 600 mm	800 × 600 mm	1000 × 800 mm	1000 × 800 mm	1000 × 800 mm
Working temperature	+10° ÷ +40 °C				
Relative humidity **	40% ÷ 80%				
IP rate	IP 66/67 construction, IP 68/69 indicator				
Housing	Construction: Plastic-coated steel, Weighing pan: stainless steel				
Stabilization time ***	~ 3 s				
Sensitivity drift	2 ppm/°C in temperature +10° ÷ +40°C				
LCD display	10,1" touch panel				
Standard interfaces	2×RS 232, 2×USB, 1×Ethernet, 4 IN / 4 OUT				
Optional interfaces	Module 12 × IN / 12 × OUT, Module AN, Module PROFIBUS, Module CAN Open, Wi-Fi				
Power supply	100÷240 V AC 50÷60 Hz				
Adjustment	internal				
Net weight / Gross weight	71,5 kg / 119 kg		126 kg / 160 kg		
Platform dimensions	808×600×173 mm		1011×800×175 mm		
Platform/terminal packaging dimensions	1000×800×307 mm / 415×345×225 mm		1200×1000×328 mm / 415×345×225 mm		

* - Repeatability is expressed as a standard deviation from 10 weighing cycles

** - Non-condensing conditions

*** - Optimal ambient conditions

Dimensions:

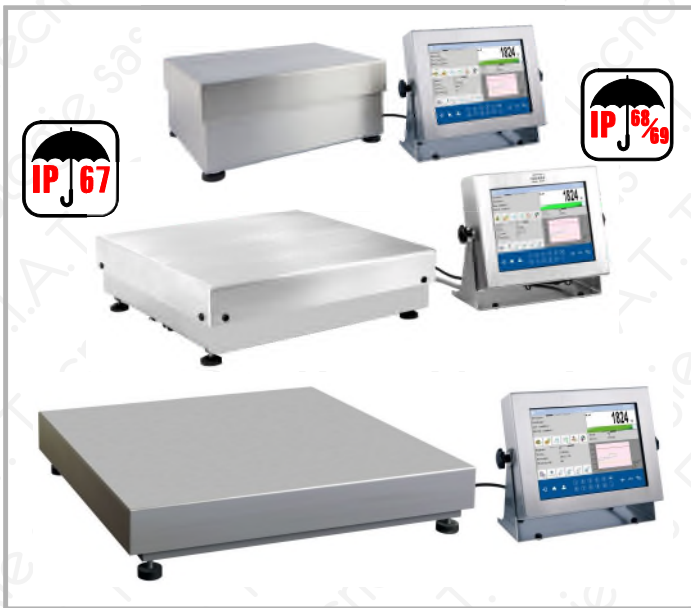


Platforms:
HRP.62 - HRP.1100

Model	A	B	C	D	E	F
HY10.62.HRP	500	500	147	513	448	400
HY10.120.HRP	500	500	147	513	448	400
HY10.150.HRP	800	600	159	809	720	475
HY10.300.HRP	800	600	164	809	720	475
HY10.300.1.HRP	1000	800	176	1011	926	611
HY10.600.HRP	1000	800	176	1011	926	611
HY10.1100.HRP	1000	800	176	1011	926	611

Additional equipment:

Impact printers:	Barcode scanners:
EPSON TM-U220D – standard version	LS2208 – intended for standard operating conditions, standard version
EPSON TM-U220B – with an autocutter	PowerScan D8330 – intended for severe operating conditions IP56
EPSON TM-U220A – with an autocutter and a copy-winder	PowerScan M8300 – intended for severe operating conditions IP56 cordless system
Label printers:	Transponder card readers:
CITIZEN CL-S521	CK-01/3
CITIZEN CL-S621	CK-02/3
CITIZEN CL-S631	CABLES:
CITIZEN CL-S700	PT0087 – for EPSON, CITIZEN and other printers on USB
CITIZEN CL-S700R	PT0212 – straight-thru Ethernet cable with RJ45 connector
ZEBRA GK 420d	WEIGHTS:
ZEBRA GK 420t	Mass standard
ZEBRA GX 420t	Adjustment weight
ZEBRA GX 430t	MISCELLANEOUS EQUIPMENT:
ZEBRA ZT 220	TARE / PRINT foot button
ZEBRA ZT 41042	MW Manager PC software



HY10.HRP.H the series of professional high resolution weighing platforms, perfectly suits every single branch of industry requiring great weighing accuracy, precision and repeatability of measurement in challenging industrial environment.

Automatic adjustment performed by means of an internal adjustment weight guarantees the highest quality of operation and repeatability of measurement. In comparison to manual adjustment process the automatic one is both, time-saving and convenient.

HY10.HRP.H scale features OH18N9 stainless steel design (including the weighing pan).

HRP.Y high resolution weighing platforms are equipped with the following interfaces:

2×RS 232, 2×USB, 1×Ethernet, 4×IN / 4×OUT, optionally upon request (3rd Rs232).

Data safety and archiving is assured by software dedicated for RADWAG terminals.

Features:

- ✓ Brand new construction of the electromagnetic mechanism housed in a stainless steel tight casing,
- ✓ Protection against overloading,
- ✓ Inbuilt system of adjustment, by means of an internal weight,
- ✓ High ingress protection – IP67 construction, IP 68/69 indicator
- ✓ Interfaces: 2×RS232, 2×USB, 1×Ethernet and dedicated 4 IN and 4 OUT, enabling cooperation with peripheral devices.

Technical specification:

	HY10.16.HRP.H	HY10.32.HRP.H	HY10.62.HRP.H	HY10.120.HRP.H
Max capacity [Max]	16 kg	32 kg	62 kg	120 kg
Minimum load [Min]	5 g	5 g	25 g	50 g
Reading unit [d]	0,1 g	0,1 g	0,5 g	1 g
Tare range	-16 kg	-32 kg	-62 kg	-120 kg
Preload range	4 kg	4 kg	30 kg	10 kg
Repeatability *	0,1 g	0,1 g	0,3 g	0,3 g
Linearity	± 0,1 g	± 0,3 g	± 1 g	± 1 g
Weighing pan	360 × 280 mm	360 × 280 mm	500×500 mm	500×500 mm
Working temperature	+10° ÷ +40 °C			
Relative humidity **	40% ÷ 80%			
IP rate	IP 66/67 construction, IP 68/69 terminal			
Housing	Balance base: powder-coated aluminium, weighing pan: stainless steel		Construction: stainless steel, weighing pan: stainless steel	
Stabilization time ***	~ 2 s		~ 3 s	
Sensitivity drift	2 ppm/°C in temperature +10° ÷ +40°C			
LCD display	10,1" touch panel			
Standard interfaces	2×RS 232, 2×USB, 1×Ethernet, 4 IN / 4 OUT			
Optional interfaces	Module 12 × IN / 12 × OUT, Module AN, Module PROFIBUS, Module CAN Open, Wi-Fi			
Power supply	100÷240 V AC 50÷60 Hz			
Adjustment	internal			
Net weight / Gross weight	24,7 kg / 28,7 kg		37 kg / 52 kg	
Platform dimensions	360×313×170 mm		513×500×150 mm	
Platform/terminal packaging dimensions	550×463×350 mm / 415×345×225 mm		700×700×295 mm / 415×345×225 mm	

* - Repeatability is expressed as a standard deviation from 10 weighing cycles

** - Non-condensing conditions

*** - Optimal ambient conditions

Technical specification:

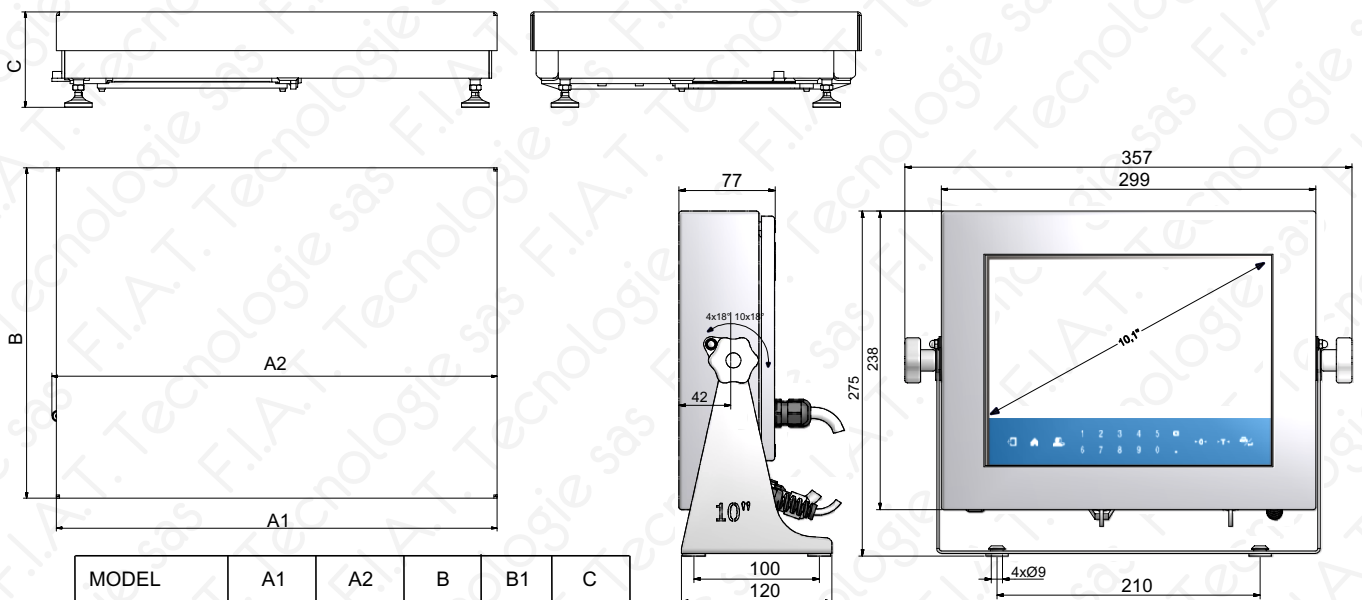
	HY10.150.HRP.H	HY10.300.HRP.H	HY10.300.1.HRP.H	HY10.600.HRP.H	HY10.1100.HRP.H
Max capacity [Max]	150 kg	300 kg	300 kg	600 kg	1100 kg
Minimum load [Min]	50 g	100 g	100 g	250 g	500 g
Reading unit [d]	1 g	2 g	2 g	5 g	10 g
Tare range	-150 kg	-300 kg	-300 kg	-600 kg	-1100 kg
Preload range	30 kg	60 kg	60 kg	60 kg	100 kg
Repeatability *	1,5 g	3 g	3 g	7,5 g	15 g
Linearity	± 3 g	± 6 g	± 6 g	± 15 g	± 30 g
Weighing pan	800 × 600 mm	800 × 600 mm	1000 × 800 mm	1000 × 800 mm	1000 × 800 mm
Working temperature	+10° ÷ +40 °C				
Relative humidity **	40% ÷ 80%				
IP rate	IP 66/67 construction, IP 68/69 terminal				
Housing	Construction: stainless steel, Weighing pan: stainless steel				
Stabilization time ***	~ 3 s				
Sensitivity drift	2 ppm/°C in temperature +10° ÷ +40°C				
LCD display	10,1" touch panel				
Standard interfaces	2×RS 232, 2×USB, 1×Ethernet, 4 IN / 4 OUT				
Optional interfaces	Module 12 × IN / 12 × OUT, Module AN, Module PROFIBUS, Module CAN Open, Wi-Fi				
Power supply	100÷240 V AC 50÷60 Hz				
Adjustment	internal				
Net weight / Gross weight	71,5 kg / 119 kg		126 kg / 160 kg		
Platform dimensions	808×600×173 mm		1011×800×175 mm		
Platform/terminal packaging dimensions	1000×800×307 mm / 415×345×225 mm		1200×1000×328 mm / 415×345×225 mm		

* - Repeatability is expressed as a standard deviation from 10 weighing cycles

** - Non-condensing conditions

*** - Optimal ambient conditions

Dimensions:



MODEL	A1	A2	B	B1	C
16.HRP.H	360	-	280	311	170
32.HRP.H	360	-	280	311	170
62.HRP.H	500	-	500	531	170
150.HRP.H	800	808	600	-	173
300.HRP.H	800	808	600	-	173
300.1.HRP.H	1000	1008	800	-	173
600.HRP.H	1000	1008	800	-	173
1100.HRP.H	1000	1008	800	-	173

Additional equipment:

Impact printers:	Barcode scanners:
EPSON TM-U220D – standard version	LS2208 – intended for standard operating conditions, standard version
EPSON TM-U220B – with an autocutter	PowerScan D8330 – intended for severe operating conditions IP56
EPSON TM-U220A – with an autocutter and a copy-winder	PowerScan M8300 – intended for severe operating conditions IP56 cordless system
Label printers:	Transponder card readers:
CITIZEN CL-S521	CK-01/3
CITIZEN CL-S621	CK-02/3
CITIZEN CL-S631	CABLES:
CITIZEN CL-S700	PT0087 – for EPSON, CITIZEN and other printers on USB
CITIZEN CL-S700R	PT0212 – straight-thru Ethernet cable with RJ45 connector
ZEBRA GK 420d	WEIGHTS:
ZEBRA GK 420t	Mass standard
ZEBRA GX 420t	Adjustment weight
ZEBRA GX 430t	MISCELLANEOUS EQUIPMENT:
ZEBRA ZT 220	TARE / PRINT foot button
ZEBRA ZT 41042	MW Manager PC software

LIVESTOCK SCALES



Scales are manufactured in mild steel construction painted in black colour or in stainless steel construction. Weighing pan is made of aluminum with anti slippery surface or stainless steel. The scale has backlit LCD measuring indicator PUE C/31H installed on a 3 meter long cable.



Animal weighing

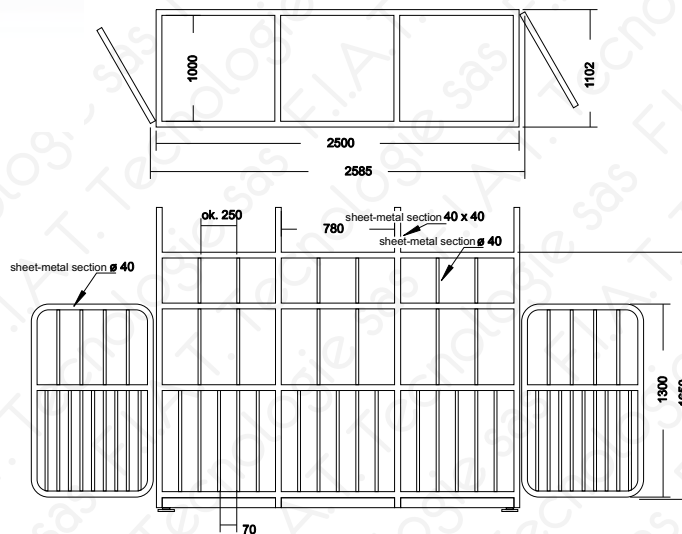
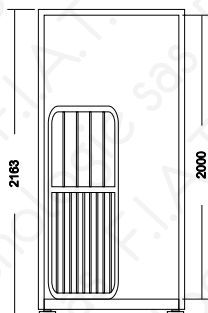


Checkweighing



Summing function

Special software with various dampening force allows for stable and precise readout even if the animals are moving on the platform. An optional solution is a scale for measuring all herd of cattle.



Technical data:

	WPT/4I 2000S1	WPT/4I 2000S2	WPT/4I 2000S3	WPT/4I 2000H1	WPT/4I 2000H2	WPT/4I 2000H3
Max capacity	2000 kg	2000 kg	2000 kg	2000 kg	2000 kg	2000 kg
Readability	1 kg	1 kg	1 kg	1 kg	1 kg	1 kg
Tare range	-2000 kg	-2000 kg	-2000 kg	-2000 kg	-2000 kg	-2000 kg
Pan size	1000×2000 mm	1000×2000 mm	1000×2500 mm	1000×2000 mm	1000×2000 mm	1000×2500 mm
Barriers height	1,1 m	1,8 m	1,8 m	1,1 m	1,8 m	1,8 m
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 65 construction, IP 66/67 indicator			IP 67 construction, IP 66/67 indicator		
Power supply	230V / 11V AC or 120V / 11V AC with internal SLA accumulator					
Display	LCD (backlit)					

Additional equipment:

RACK FOR HEAD	NEEDLE PRINTER "EPSON"
LCD DISPLAY	COMPUTER SOFTWARE: PW-WIN 2005
LARGE SIZE LCD DISPLAY	COMPUTER SOFTWARE: RAD-KEY 2000
"KAFKA" THERMAL PRINTER	RS 232/RS 485 CONVERTER

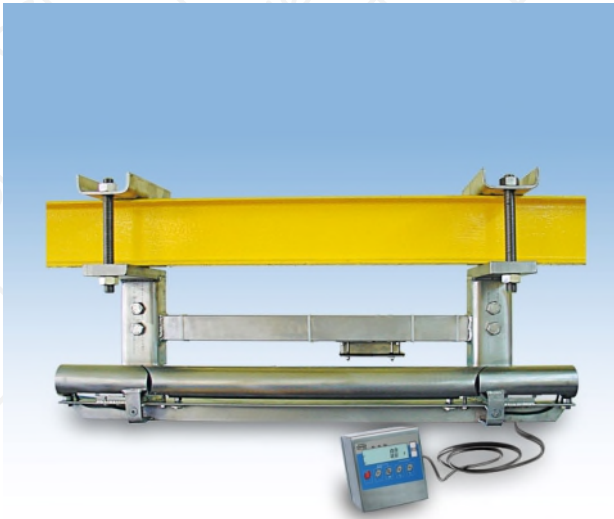
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OVERHEAD TRACK SCALES



release date 27-08-2012



Overhead track scales WPT/2K series are designed for weighing half carcass and porkhalf using an underslug track of the scale. The weighing process starts when a roller with measured load enters a measuring section of the track. The load cells are assembled lengthwise to the weighing track which is fixed with spherical mandrels. Such design eliminates tensions in the construction. Scale can cooperate with carcass grading equipment.

Overhead track scales are manufactured either in galvanized and in stainless steel version, as dual range weighing instruments. They feature stainless steel backlit LCD indicator PUE C/31H series.



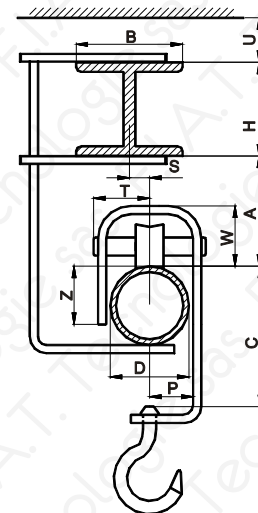
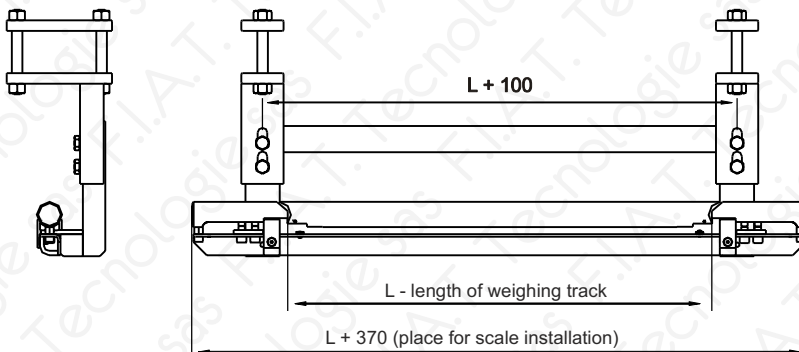
Parts counting



Checkweighing



Totalizing



CAUTION!

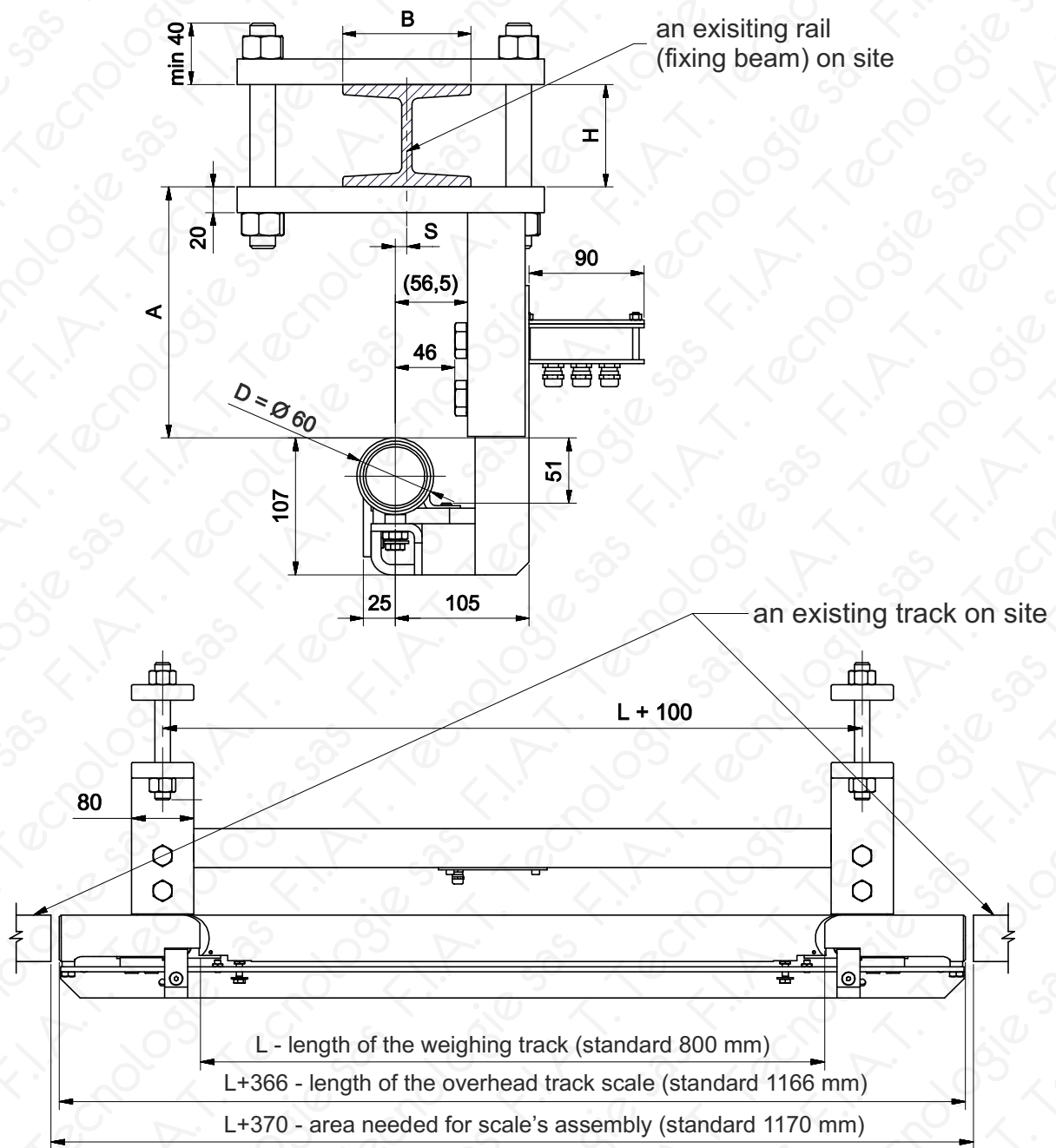
- Standard length of the measuring track $L = 800$ mm
- Weighing track in scale's installation place must be positioned horizontally with maximal tolerance ± 10 mm
- Dimensions marked by letters to be agreed with the manufacturer
- "Z" dimension can be omitted in case of relation: $Z < 80\%$ D

Technical data:

	WPT/2K 300/600	WPT/2K 300/600H
Max capacity	300/600 kg	300/600 kg
Readability	0,1/0,2 kg	0,1/0,2 kg
Tare range	-600 kg	-600 kg
Scale construction	galvanized	stainless steel
Track length	L = 800 mm standard (min. 200 ÷ max. 800 mm)	
IP rating	IP 67 weighing platform, IP 66/67 indicator	
Working temperature	$-10^{\circ} \div +40^{\circ} \text{C}$	
Output signal	RS 232	
Power supply	230V / 11V AC or 120V / 11V AC and internal accumulator	
Display	LCD (backlit)	
Atmospheric humidity	10÷85% RH no condensation	

Dimensions:

Dimensions of an overhead track scale with a shaft $\text{Ø}60$ (standard version)



Minimum track clearance $A = 90$ mm.

Weighing track length between $200 \leq L \leq 800$ mm. As standard $L=800$ mm.

Scale's maximum capacity 600 kg.

Additional equipment:

RACK FOR TERMINAL

IMPACT "EPSON" PRINTER

LCD DISPLAY

COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000

LARGE SIZE LCD DISPLAY

EXTERNAL POWER OUTPUT AP-2

"KAFKA" THERMAL PRINTER

RS 232/RS 485 CONVERTER KR-01

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BEAM SCALES



release date 05-01-2012



Beam scales are stable four load cells weighing solutions with more versatile application than pallet scales. The adjustable distance between the beams (up to 5 meters) enables fitting the WPT/4P2xxx/C scales to different loads (cases, long bars, heavy sections). The load can be placed on the beams by a standard fork-lift truck.

-  Counting pieces
-  Checkweighing
-  Summing function

Beam scales series WPT/4P2xxxH are manufactured in stainless steel version. Optionally, it is possible to increase the quantity of beams to 4 in one scale. Beam scales feature wheels and handles for easy operation and transport. The scale is equipped with a backlit LCD indicator PUE C/31H installed on a three meter long cable. The capacities of WPT/4P2xxxH scale range from 600kg /200g to 6000kg /2kg. Power supply 230V AC, RS 232 output as standard.

Technical data:

	WPT/4P2 600H	WPT/4P2 1500H	WPT/4P2 3000H
Max capacity	600 kg	1500 kg	3000 kg
Readability	200 g	500 g	1000 g
Tare range	-600 kg	-1500 kg	-3000 kg
Pan size	2 beams each 1,2 m maxiamal distance: 5 m		
Working temperature	-10° - +40 °C		
Output signal	RS 232		
IP rating	IP 68 construction, IP 66/67 indicator		
Power supply	230V AC, 50Hz / 11V AC and battery		
Display	LCD (backlit)		
Net weight	40 kg		
Packaging dimensions	1200×120×85 mm		

Technical data:

	WPT/4P2 2000H1	WPT/4P2 4000H1	WPT/4P2 6000H1	WPT/4P2 2000H2	WPT/4P2 4000H2	WPT/4P2 6000H2
Max capacity	2000 kg	4000 kg	6000 kg	2000 kg	4000 kg	6000 kg
Readability	1000 g	2000 g	2000 g	1000 g	2000 g	2000 g
Tare range	-2000 kg	-4000 kg	-6000 kg	-2000 kg	-4000 kg	-6000 kg
Pan size	2 beams each 2 m maxiamal distance: 5 m			2 beams each 2,5 m		
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 68 construction, IP 66/67 indicator					
Power supply	230V AC, 50Hz / 11V AC and battery					
Display	LCD (backlit)					
Net weight	56 kg	95 kg	68 kg	110 kg	135 kg	
Packaging dimensions	2000×120×105 mm	2000×120×155 mm	2500×120×105 mm	2500×120×155 mm		

Technical data:

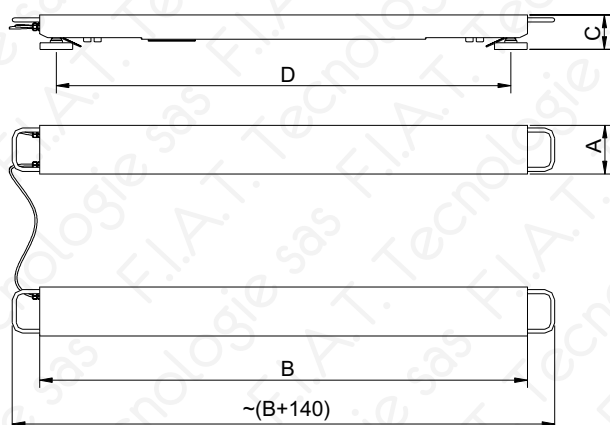
	WPT/4P2 300/600H	WPT/4P2 600/1500H	WPT/4P2 1500/3000H
Max capacity	300/600 kg	600/1500 kg	1500/3000 kg
Readability	100/200 g	200/500 g	500/1000 g
Tare range	-600 kg	-1500 kg	-3000 kg
Pan size	2 beams each 1,2 m maximal distance: 5 m		
Working temperature	-10° - +40 °C		
Output signal	RS 232		
IP rating	IP 68 construction, IP 66/67 indicator		
Power supply	230V AC, 50Hz / 11V AC and battery		
Display	LCD (backlit)		
Net weight	40 kg		
Packaging dimensions	1200×120×85 mm		

Technical data:

	WPT/4P2 1000/2000H1	WPT/4P2 2000/4000H1	WPT/4P2 1000/2000H2	WPT/4P2 2000/4000H2
Max capacity	1000/2000 kg	2000/4000 kg	1000/2000 kg	2000/4000 kg
Readability	500/1000 g	1000/2000 g	500/1000 g	1000/2000 g
Tare range	-2000 kg	-4000 kg	-2000 kg	-4000 kg
Pan size	2 beams each 2 m		2 beams each 2,5 m	
	maximal distance: 5 m			
Working temperature	-10° - +40 °C			
Output signal	RS 232			
IP rating	IP 68 construction, IP 66/67 indicator			
Power supply	230V AC, 50Hz / 11V AC and battery			
Display	LCD (backlit)			
Net weight	56 kg	95 kg	68 kg	110 kg
Packaging dimensions	2000×120×105 mm	2000×120×155 mm	2500×120×105 mm	2500×120×155 mm

Additional equipment:

Kafka thermal printer	LCD display WWG-2 (digit height 4,5")
Epson impact printer	PW-WIN 2004 computer software
Anti-dust case for Epson printer	RAD-KEY 2000 computer software
Stand for measuring indicator	LS-FS computer software
Converter RS 232/Ethernet KR-04	RS 232 cable: scale - thermal printer: P0136
External power output	RS 232 cable: scale - "Epson" printer: P0151
LCD display in stainless steel housing	RS 232 cable: scale - computer: P0108
	Cable for plugging to car lighter 12V: K0047

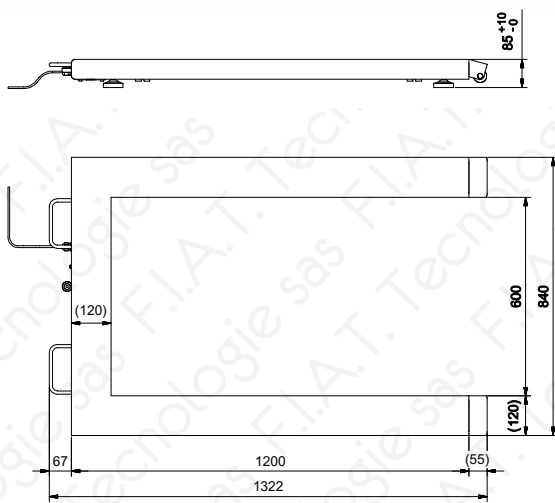


	A [mm]	B [mm]	C [mm]	D [mm]
WPT/4P2 600H	120	1200	~85	~1100
WPT/4P2 1500H	120	1200	~85	~1100
WPT/4P2 3000H	120	1200	~85	~1100
WPT/4P2 2000H1	120	2000	~105	~1900
WPT/4P2 2000H2	120	2500	~105	~2400
WPT/4P2 4000H1	120	2000	~155	~1880
WPT/4P2 4000H2	120	2500	~155	~2380
WPT/4P2 6000H1	120	2000	~155	~1880
WPT/4P2 6000H2	120	2500	~155	~2380

PALLET SCALES



release date 13-11-2013

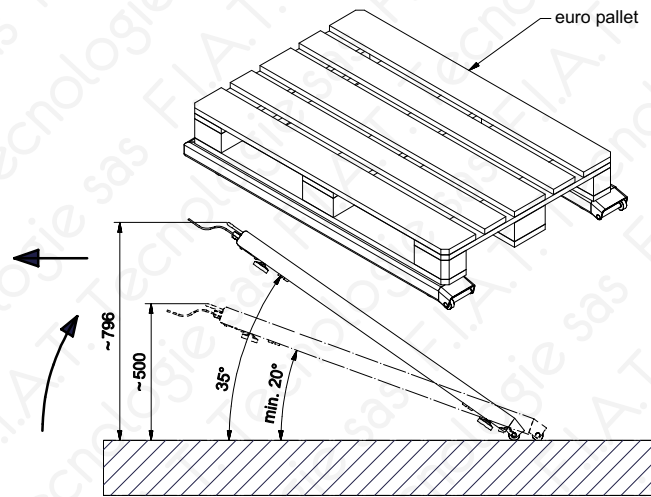


Pallet scales are stable and proved 4 load cell constructions designed for weighing pallets. The load to be weighed can be placed on the platform by a standard fork-lift truck. The pallet scales WPT/4P/C series are manufactured in mild steel powder coated version.

The WPT/4P series features wheels and handles for easy transporting the scale to its place of use. The scale comes standard with an indicator PUE C/31 series featuring backlit LCD display and 5 function buttons. The indicator is installed on a three meter long cable.

The capacities of scales WPT/4P/C series range from 600 kg /200 g to 3000 kg /1000 g. Power supply from mains 230V AC. RS 232 output comes as standard equipment.

- Parts counting
- Checkweighing
- Totalizing



Technical data:

	WPT/4P 300/600C	WPT/4P 600C	WPT/4P 600/1500C	WPT/4P 1500C	WPT/4P 2000C	WPT/4P 1500/3000C	WPT/4P 3000C
Max capacity	300/600 kg	600 kg	600/1500 kg	1500 kg	2000 kg	1500/3000 kg	3000 kg
Readability	100/200 g	200 g	200/500 g	500 g	1000 g	500/1000 g	1000 g
Tare range	-600 kg	-600 kg	-1500 kg	-1500 kg	-2000 kg	-3000 kg	-3000 kg
Pan size	1200 × 840 mm						
Working temperature	-10° ÷ +40 °C						
Output signal	RS 232						
IP rating	IP 65 construction, IP 67 load cell, IP 43 indicator						
Power supply	230V AC, 50Hz / 11V AC and battery						
Display	LCD (backlit)						
Scale net weight with indicator	~45 kg						
Scale dimensions	1322 × 840 × 85 mm						

Additional equipment:

RACK FOR INDICATOR	COMPUTER SOFTWARE: PW-WIN, RAD-KEY, REC-FS, LS-FS
LCD ADDITIONAL DISPLAY	RS 232/RS 485 CONVERTER KR-01
LARGE SIZE ADDITIONAL DISPLAY WWG (DIGIT 4,5")	RS 232 / ETHERNET CONVERTER KR-02
THERMAL PRINTER "KAFKA"	EXTERNAL POWER OUTPUT
DOT MATRIX PRINTER "EPSON"	CABLE RS 232 [SCALE-COMPUTER]: P0108
ANTI-DUST CASE FOR EPSON PRINTER	CABLE RS 232 [SCALE - KAFKA PRINTER]: P0136
HANDLE FOR PLASTIC INDICATOR	CABLE RS 232 [SCALE - EPSON PRINTER]: P0151
	LCD DISPLAY IN STAINLESS STEEL HOUSING

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STAINLESS STEEL PALLET SCALES



release date 05-01-2012



Pallet scales are stable 4 load cell constructions designed for weighing pallets. The load can be placed on the platform by a standard fork-lift truck. Pallet scales series WPT/4P xxx/H are manufactured in stainless steel technology.



Counting pieces



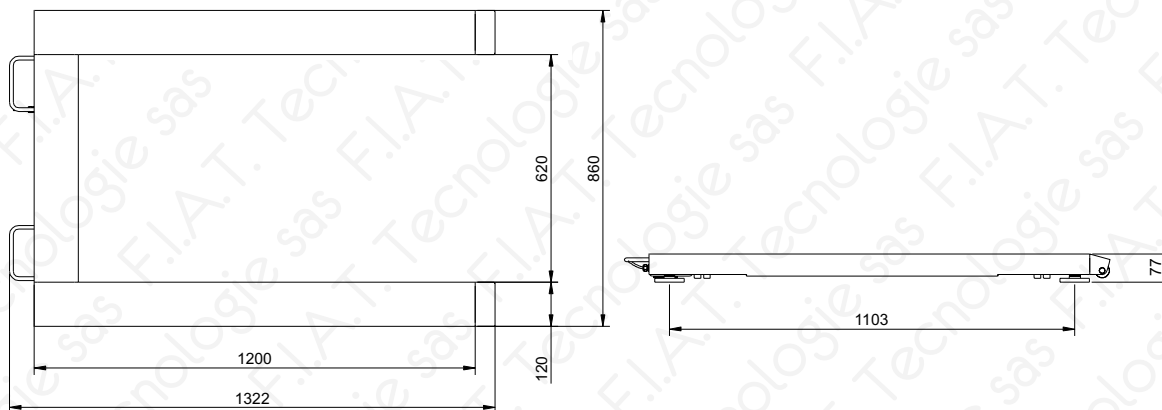
Checkweighing



Summing function

Pallet scales feature wheels and handles for easy operation and transport. The scale is equipped with a backlit LCD indicator PUE C/31 H installed on a three meter long cable

The capacities of scale series WPT/4P xxx/H range from 600 kg /200 g to 3000 kg /1000 g. Power supply 230V AC, RS 232 output as standard.



Technical data:

	WPT/4P 600H	WPT/4P 1500H	WPT/4P 3000H	WPT/4P 300/600H	WPT/4P 600/1500H	WPT/4P 1500/3000H
Max capacity	600 kg	1500 kg	3000 kg	300/600 kg	600/1500 kg	1500/3000 kg
Readability	200 g	500 g	1000 g	100/200 g	200/500 g	500/1000 g
Tare range	-600 kg	-1500 kg	-3000 kg	-600 kg	-1500 kg	-3000 kg
Pan size	860×1260 mm					
Working temperature	-10° - +40 °C					
Output signal	RS 232					
IP rating	IP 68 construction, IP 66/67 indicator					
Power supply	230V AC, 50Hz / 11V AC and battery					
Display	LCD (backlit)					
Scale net weight with indicator	~45 kg					
Transport dimensions	1330×860×80 mm					

Additional equipment:

"KAFKA" THERMAL PRINTER	POWER LOOP AP2-2 (STAINLESS STEEL VERSION)
IMPACT PRINTER "EPSON"	CONVERTERRS 232/RS 485 KR-01
ANTI-DUST CASE FOR EPSON PRINTER	STAND FOR STAINLESS STEEL INDICATOR
LCD DISPLAY IN STAINLESS STEEL HOUSING WD-4/3	COMPUTER SOFTWARE: PW-WIN, RAD-KEY, REC-FS, LS-FS
LARGE SIZE LCD DISPLAY WWG-2	CABLE RS 232 [SCALE - KAFKA PRINTER]: P0253
RACK FOR HEAD	CABLE RS 232 [SCALE - COMPUTER]: P0259
	CABLE RS 232 [SCALE - EPSON PRINTER]: P0261

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4 load cell scales with EX certificate



release date 05-01-2015



Four load cell EX scales are designed for fast and precise measurement of mass in industrial conditions and in explosive zones. The indicator and the weighing platform operate in explosive area. They are powered by power adapter with anti spark protection model ZRi02 manufactured by RADWAG. The power adapter operates outside EX zone, it comprises diode battery and it is connected to scale by 20 meter long cable.



Counting pieces



Checkweighing



Summing function



Peak hold

Scales series WPT/4 EX are designed for operation in explosives zones 1 and 2 of mixtures of vapours, gasses and fogs with air, which constitute for explosivity class IIB and temperature classes T1, T2, T3 and T4.

Determination of mass with four load cell technology is a guarantee of high weighing accuracy regardless of load positioning on the weighing platform.

WPT/4 EX scales are manufactured in mild steel technology, They feature stainless steel indicator with backlit LCD display. The indicator is connected to the weighing platform by a cable, and it is equipped with a handle for installation on wall.

Technical data:

	WPT/4 600 C6/EX	WPT/4 1500 C7/EX	WPT/4 1500 C8/EX	WPT/4 3000 C8/EX	WPT/4 1500 C8/9/EX
Max capacity	600 kg	1500 kg	1500 kg	3000 kg	1500 kg
Readability	0,2 kg	0,5 kg	0,5 kg	1 kg	0,5 kg
Tare range	-600 kg	-1500 kg	-1500 kg	-3000 kg	-1500 kg
Pan size	800×800 mm	1000×1000 mm	1200×1200 mm	1200×1200 mm	1200×1500 mm
Working temperature	-10° - +40 °C				
Compatibility with ATEX	II 2 G IIB T4				
Indicator	PUE C/31H/EX - II 2 G Ex Ib IIC T4				
IP rating	IP 65 construction, IP 66/67 indicator				
Power supply	230V AC - power adapter ZRi02 - II (2) G [Ex ib] IIC				
Display	LCD (backlit)				

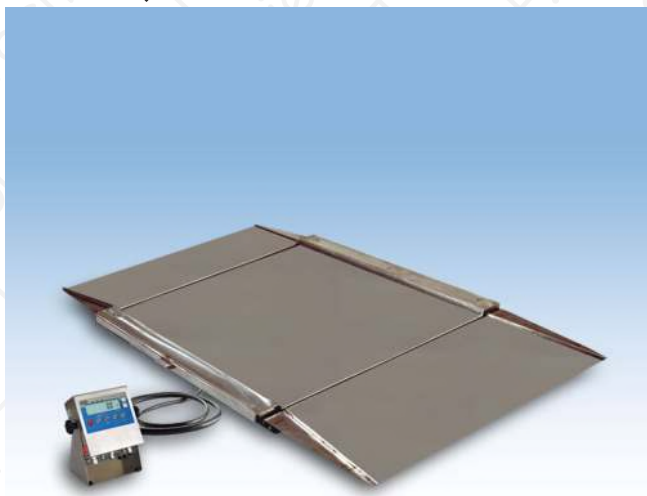
Technical data:

	WPT/4 3000 C8/9/EX	WPT/4 1500 C9/EX	WPT/4 3000 C9/EX	WPT/4 3000 C10/EX	WPT/4 3000 C11/EX
Max capacity	3000 kg	1500 kg	3000 kg	3000 kg	3000 kg
Readability	1 kg	0,5 kg	1 kg	1 kg	1 kg
Tare range	-3000 kg	-1500 kg	-3000 kg	-3000 kg	-3000 kg
Pan size	1200×1500 mm	1500×1500 mm	1500×1500 mm	1500×2000 mm	2000×2000 mm
Working temperature	-10° - +40 °C				
Compatibility with ATEX	II 2 G IIB T4				
Indicator	PUE C/31H/EX - II 2 G Ex Ib IIC T4				
IP rating	IP 65 construction, IP 66/67 indicator				
Power supply	230V or 120V AC - power adapter ZRi02 - II (2) G [Ex ib] IIC				
Display	LCD (backlit)				

Ramp scales with EX certificate



release date 30-12-2010



Four load cell ramp EX scales are designed for fast and precise measurement of mass in industrial conditions and in explosive zones. The indicator and the weighing platform operate in explosive area. They are powered by power adapter with anti spark protection model ZRi02 manufactured by RADWAG. The power adapter operates outside EX zone, it features diode battery and it is connected to scale by 20 meter long cable.



Counting pieces



Checkweighing



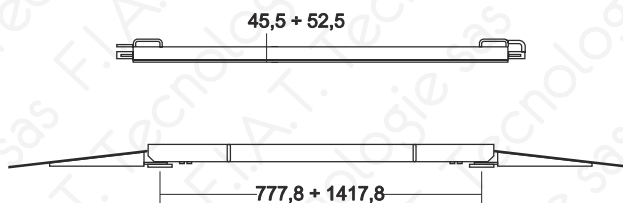
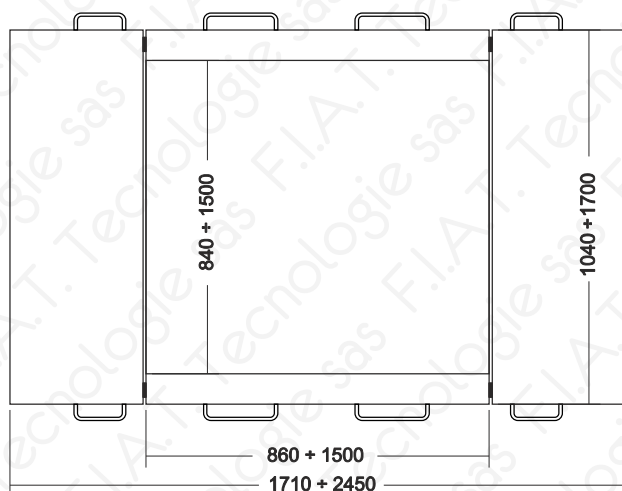
Summing function



Peak hold

Scales series WTC/4 EX are designed for operation in explosives zones 1 and 2 of mixtures of vapours, gasses and fogs with air, which constitute for explosivity class IIC and temperature classes T1, T2, T3 and T4.

Ramp scales are widely spread in industrial areas, like pharmacy, cosmetics and chemistry. WTC/4N EX are manufactured in stainless steel technology applying steel 0H18N9, They feature stainless steel indicator with backlit LCD display. The indicator is connected to the weighing platform by a cable, and it is equipped with a handle for installation on wall.



Technical data:

	WPT/4N 400H1/EX	WPT/4N 400H2/EX	WPT/4N 800H2/EX	WPT/4N 800H3/EX	WPT/4N 1500H2/EX	WPT/4N 1500H3/EX	WPT/4N 1500H4/EX
Max capacity	400 kg	400 kg	800 kg	800 kg	1500 kg	1500 kg	1500 kg
Readability	200 g	200 g	500 g	500 g	500 g	500 g	500 g
Tare range	-400 kg	-400 kg	-800 kg	-800 kg	-1500 kg	-1500 kg	-1500 kg
Pan size	840×860 mm	1100×1200 mm	1100×1200 mm	1200×1500 mm	1100×1200 mm	1200×1500 mm	1500×1500 mm
Working temperature	-10° - +40 °C						
Compatibility with ATEX	II 2 G IIB T4						
Indicator	PUE C/31H/EX - II 2 G Ex Ib IIC T4						
IP rating	IP 68 construction, IP 66/67 indicator						
Power supply	230V or 120V AC - power adapter ZRi02 - II (2) G [Ex ib] IIC						
Display	LCD (backlit)						

RADWAG

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Pallet scales with EX certificate



release date 19-09-2014



Pallet scales WPT/4P/C EX series are designed for operating in explosive areas and are intended to precisely determine the mass of weighed loads in industrial conditions. The indicator and the weighing platform operate in the explosive area. They are powered by intrinsically safe power adapter model ZRi02 manufactured by RADWAG. The power adapter operates outside the EX zone, it features a diode barrier and it is plugged to mains 230 V. The length of an intrinsically safe power cord connecting the indicator and the power adapter is max 20 meters.



Parts coating



Checkweighing



Totalizing

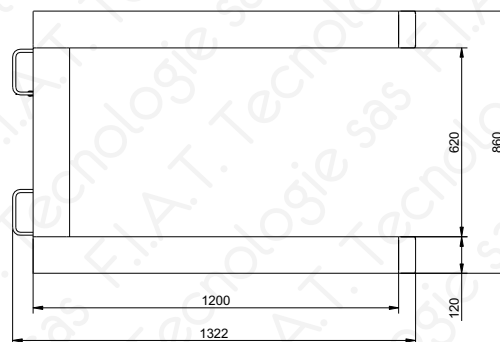
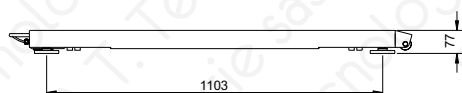


Peak hold

Pallet scales WPT/4P/C EX series is designed to operate in EX zones 1 and 2 of mixtures of explosive vapours, gasses and fogs with the air, included in the explosive group IIB (mild steel powder coated pallet scales) or IIC (stainless steel pallet scales) and temperature classes T1, T2, T3 and T4.

Measurement with application of 4 load cells is a guarantee of precise mass reading regardless of load positioning on the weighing platform. Pallet scales are stable and proved 4 load cell constructions designed for weighing pallets. The load to be weighed can be placed on the platform by a standard fork-lift truck.

The mild steel powder coated scales and stainless steel scales feature a stainless steel indicator PUE C31/H series with backlit LCD display and 5 function buttons. The indicator is connected through a cable and features a bracket for placing on a workbench or mounting on wall.



Technical data:

	WPT/4P 600C/EX WPT/4P 600H/EX	WPT/4P 1000C/EX WPT/4P 1000H/EX	WPT/4P 2000C/EX WPT/4P 2000H/EX	WPT/4P 3000C/EX WPT/4P 3000H/EX
Max capacity	600 kg	1000 kg	2000 kg	3000 kg
Readability	200 g	500 g	1000 g	1000 g
Tare range	-600 kg	-1000 kg	-2000 kg	-3000 kg
Pan size	860×1200 mm			
Working temperature	-10° - +40°C			
Compatibility with ATEX	II 2 G IIB T4 (C version) or II 2 G IIC T4 (H version)			
Indicator	PUE C/31H/EX - II 2 G Ex Ib IIC T4			
IP rating	IP 67 (C version) or IP 68 (H version) construction, IP 66/67 indicator			
Power supply	230V or 120V AC - power adapter ZRi02 - II (2) G [Ex ib] IIC			
Display	LCD (backlit)			