

# MULTIFUNCTIONAL STAINLESS SCALES WPW/H



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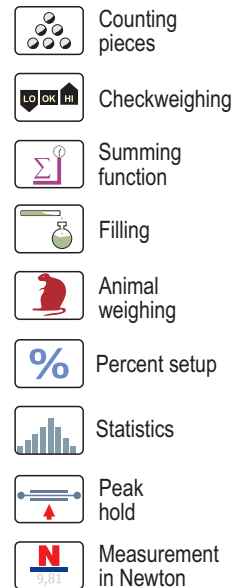
**Multifunctional WPW/H scales** are manufactured in standard version dedicated to general use, and in upgraded versions as:

- 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:

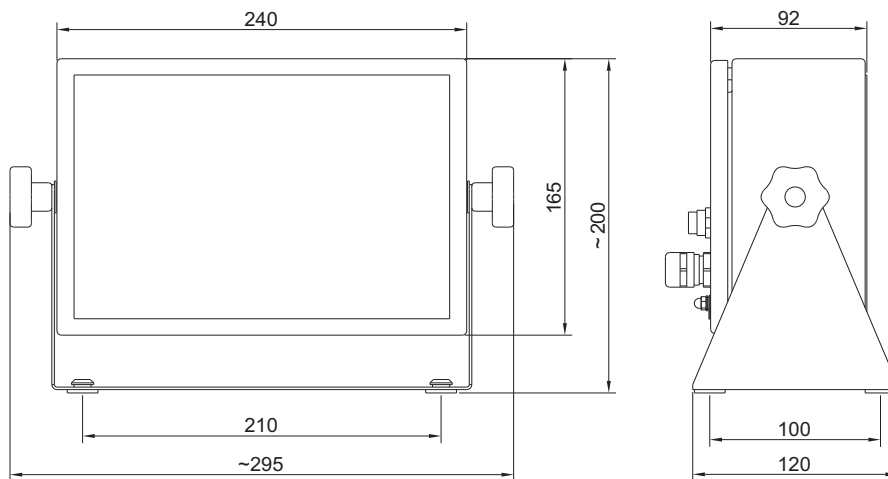
	WPW 1,5/3 H1/K	WPW 3/6 H2/K	WPW 6/15 H2/K	WPW 6/15 H3/K	WPW 15/30 H3/K
	WPW/L 1,5/3 H1/K	WPW/L 3/6 H2/K	WPW/L 6/15 H2/K	WPW/L 6/15 H3/K	WPW/L 15/30 H3/K
	WPW/E 1,5/3 H1/K	WPW/E 3/6 H2/K	WPW/E 6/15 H2/K	WPW/E 6/15 H3/K	WPW/E 15/30 H3/K
	WPW/D 1,5/3 H1/K	WPW/D 3/6 H2/K	WPW/D 6/15 H2/K	WPW/D 6/15 H3/K	WPW/D 15/30 H3/K
	WPW/R 1,5/3 H1/K	WPW/R 3/6 H2/K	WPW/R 6/15 H2/K	WPW/R 6/15 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 60/150 H3/K	WPW 30/60 H4/K	WPW 60/150 H4/K
	WPW/L 30/60 H3/K	WPW/L 60/150 H3/K	WPW/L 30/60 H4/K	WPW/L 60/150 H4/K
	WPW/E 30/60 H3/K	WPW/E 60/150 H3/K	WPW/E 30/60 H4/K	WPW/E 60/150 H4/K
	WPW/D 30/60 H3/K	WPW/D 60/150 H3/K	WPW/D 30/60 H4/K	WPW/D 60/150 H4/K
	WPW/R 30/60 H3/K	WPW/R 60/150 H3/K	WPW/R 30/60 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 60/150 H5/K	WPW 150/300 H5/K	WPW 150/300 H6/K
	WPW/L 30/60 H5/K	WPW/L 60/150 H5/K	WPW/L 150/300 H5/K	WPW/L 150/300 H6/K
	WPW/E 30/60 H5/K	WPW/E 60/150 H5/K	WPW/E 150/300 H5/K	WPW/E 150/300 H6/K
	WPW/D 30/60 H5/K	WPW/D 60/150 H5/K	WPW/D 150/300 H5/K	WPW/D 150/300 H6/K
	WPW/R 30/60 H5/K	WPW/R 60/150 H5/K	WPW/R 150/300 H5/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