WPW Multifunctional Scale

Uncomplicated operation, functionality and precision
of weighing process in vast range of industrial applications

WPW C/K
indicator connected via cable

WPW F1/K
weighing pan with rounded corners

Hermetic stainless steel housing

PUE C/41H indicator in stainless steel housing. Large LCD display with text information section

Functions

- Parts counting
- Formulations
- Statistics
- Peak hold
- In-built battery
- Dosing
- Labelling
- Animal weighing
- Totalizing
- Replaceable units
- Checkweighing
- Percent weighing
- Multilingual menu

Features

Precise Weighing Results in Industrial Conditions
WPW scale assures fast and precise mass measurements carried out in industrial conditions.

Reliability and Safety
Robust platform made of powder-coated steel allows to weight different types of loads, ensuring durability and endurance in everyday use.

Versatile and Special-Purpose Scale
WPW/H scale is manufactured as a standard version intended for general use, and as an upgraded versions to carry out specific weighing processes (parts counting, formulations, dosing or labelling).

Cooperation with C41H Indicator
The scale can be operated via uncomplicated and reliable PUE C41H indicator housed in a stainless steel housing.

Uncomplicated Operation and Clear Presentation of Indications
Due to a backlit LCD display the measurement result is clearly visible. Easy operation enables fast and reliable measurements to be carried out even by an inexperienced operator.

+/- Control against Reference Sample Mass
Standard version of WPW scale enables carrying out +/- control against determined reference sample mass. Signalling device informs about mass value whether it is obtained, exceeded or below determined threshold

Technical Specifications

	WPW.1,5.F1.K	WPW.3.F1.K	WPW.6.F1.K*
Maximum capacity [Max]	1.5 kg	3 kg	6 kg
Minimum capacity	10 g	20 g	40 g
Readability [d]	0.5 g	1 g	2 g
Max readability for non-verified scale	0.2 g	0.2 g	0.2 g
Verification unit [e]	0.5 g	1 g	2 g
Tare range	–1.5 kg	–3 kg	–6 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
Design material	powder-coated steel St3S	powder-coated steel St3S	powder-coated steel St3S
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	on 1 m cable (K)	on 1 m cable (K)	on 1 m cable (K)
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keyboard	membrane, 25 keys	membrane, 25 keys	membrane, 25 keys
Indicator	PUE C41/H	PUE C41/H	PUE C41/H
Ingress protection - design	IP 65	IP 65	IP 65
Ingress protection - indicator	IP 68/69	IP 68/69	IP 68/69
RS 232	1	1	1
RS 485	1	1	1
AN module**	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop
WE4 module**	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
WE8 module**	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
ET1G Ethernet module**	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector
ET1D Ethernet module**	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45
PK-01 module**	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)
Optional quantity of weighing platforms**	2 (additional DP-1 module required)	2 (additional DP-1 module required)	2 (additional DP-1 module required)
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery
Power consumption	10 W	10 W	10 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Relative humidity***	40 ÷ 80%	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	300 × 300 mm	300 × 300 mm	300 × 300 mm
Indicator dimensions	300 × 200 × 120 mm	300 × 200 × 120 mm	300 × 200 × 120 mm
Net weight	8.6 kg	8.6 kg	8.6 kg
Gross weight	10 kg	10 kg	10 kg
Platform packaging dimensions	570 × 390 × 170 mm	570 × 390 × 170 mm	570 × 390 × 170 mm
Indicator packaging dimensions	320 × 220 × 250 mm	320 × 220 × 250 mm	320 × 220 × 250 mm

* option: dual range weighing instrument
** optional scale design
*** non-condensing conditions

Technical Specifications

	WPW.15.F1.K*	WPW.30.F1.K*	WPW.15.C2.K
Maximum capacity [Max]	15 kg	30 kg	15 kg
Minimum capacity	100 g	100 g	100 g
Readability [d]	5 g	10 g	5 g
Max readability for non-verified scale	1 g	1 g	1 g
Verification unit [e]	5 g	10 g	5 g
Tare range	–15 kg	–62 kg	–30 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
Design material	powder-coated steel St3S	powder-coated steel St3S	powder-coated steel St3S
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	on 1 m cable (K)	on 1 m cable (K)	on 1 m cable (K)
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keyboard	membrane, 25 keys	membrane, 25 keys	membrane, 25 keys
Indicator	PUE C41/H	PUE C41/H	PUE C41/H
Ingress protection - design	IP 65	IP 65	IP 65
Ingress protection - indicator	IP 68/69	IP 68/69	IP 68/69
RS 232	1	1	1
RS 485	1	1	1
AN module**	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop
WE4 module**	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
WE8 module**	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
ET1G Ethernet module**	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector
ET1D Ethernet module**	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45
PK-01 module**	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)
Optional quantity of weighing platforms**	2 (additional DP-1 module required)	2 (additional DP-1 module required)	2 (additional DP-1 module required)
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery
Power consumption	10 W	10 W	10 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Relative humidity***	40 ÷ 80%	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	300 × 300 mm	300 × 300 mm	400 × 500 mm
Indicator dimensions	300 × 200 × 120 mm	300 × 200 × 120 mm	300 × 200 × 120 mm
Net weight	8.6 kg	8.6 kg	14 kg
Gross weight	10 kg	10 kg	17 kg
Platform packaging dimensions	570 × 390 × 170 mm	570 × 390 × 170 mm	720 × 620 × 21 mm
Indicator packaging dimensions	320 × 220 × 250 mm	320 × 220 × 250 mm	320 × 220 × 250 mm

* option: dual range weighing instrument
** optional scale design
*** non-condensing conditions

Technical Specifications

	WPW.30.C2.K*	WPW.60.C2.K*	WPW.150.C2.K*
Maximum capacity [Max]	30 kg	60 kg	150 kg
Minimum capacity	200 g	400 g	1000 g
Readability [d]	10 g	20 g	50 g
Max readability for non-verified scale	1 g	2 g	5 g
Verification unit [e]	10 g	20 g	50 g
Tare range	–30 kg	–60 kg	–62 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
Design material	powder-coated steel St3S	powder-coated steel St3S	powder-coated steel St3S
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	on 1 m cable (K)	on 1 m cable (K)	on 1 m cable (K)
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keyboard	membrane, 25 keys	membrane, 25 keys	membrane, 25 keys
Indicator	PUE C41/H	PUE C41/H	PUE C41/H
Ingress protection - design	IP 65	IP 65	IP 65
Ingress protection - indicator	IP 68/69	IP 68/69	IP 68/69
RS 232	1	1	1
RS 485	1	1	1
AN module**	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop
WE4 module**	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
WE8 module**	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
ET1G Ethernet module**	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector
ET1D Ethernet module**	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45
PK-01 module**	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)
Optional quantity of weighing platforms**	2 (additional DP-1 module required)	2 (additional DP-1 module required)	2 (additional DP-1 module required)
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery
Power consumption	10 W	10 W	10 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Relative humidity***	40 ÷ 80%	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	400 × 500 mm	400 × 500 mm	400 × 500 mm
Indicator dimensions	300 × 200 × 120 mm	300 × 200 × 120 mm	300 × 200 × 120 mm
Net weight	14 kg	14 kg	14 kg
Gross weight	17 kg	17 kg	17 kg
Platform packaging dimensions	720 × 620 × 21 mm	720 × 620 × 21 mm	720 × 620 × 21 mm
Indicator packaging dimensions	320 × 220 × 250 mm	320 × 220 × 250 mm	320 × 220 × 250 mm

* option: dual range weighing instrument
** optional scale design
*** non-condensing conditions

Technical Specifications

	WPW.15.C3.K	WPW.30.C3.K*	WPW.60.C3.K*
Maximum capacity [Max]	15 kg	30 kg	60 kg
Minimum capacity	100 g	200 g	400 g
Readability [d]	5 g	10 g	20 g
Max readability for non-verified scale	1 g	1 g	2g
Verification unit [e]	5 g	10 g	20 g
Tare range	–15 kg	–30 kg	–60 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
Design material	powder-coated steel St3S	powder-coated steel St3S	powder-coated steel St3S
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	on 1 m cable (K)	on 1 m cable (K)	on 1 m cable (K)
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keyboard	membrane, 25 keys	membrane, 25 keys	membrane, 25 keys
Indicator	PUE C41/H	PUE C41/H	PUE C41/H
Ingress protection - design	IP 65	IP 65	IP 65
Ingress protection - indicator	IP 68/69	IP 68/69	IP 68/69
RS 232	1	1	1
RS 485	1	1	1
AN module**	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop
WE4 module**	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
WE8 module**	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
ET1G Ethernet module**	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector
ET1D Ethernet module**	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45
PK-01 module**	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)
Optional quantity of weighing platforms**	2 (additional DP-1 module required)	2 (additional DP-1 module required)	2 (additional DP-1 module required)
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery
Power consumption	10 W	10 W	10 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Relative humidity***	40 ÷ 80%	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	500 × 700 mm	500 × 700 mm	500 × 700 mm
Indicator dimensions	300 × 200 × 120 mm	300 × 200 × 120 mm	300 × 200 × 120 mm
Net weight	25 kg	25 kg	25 kg
Gross weight	29,5 kg	29,5 kg	29,5 kg
Platform packaging dimensions	850 × 800 × 270 mm	850 × 800 × 270 mm	850 × 800 × 270 mm
Indicator packaging dimensions	320 × 220 × 250 mm	320 × 220 × 250 mm	320 × 220 × 250 mm

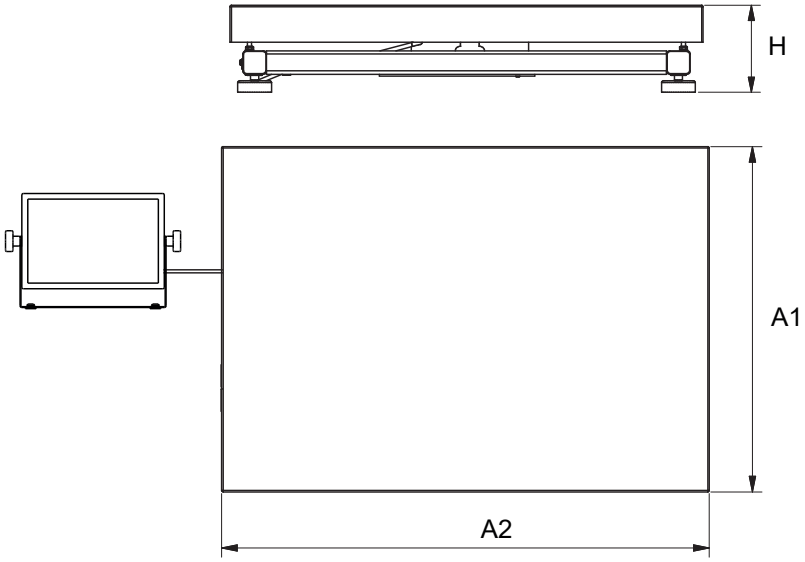
* option: dual range weighing instrument
** optional scale design
*** non-condensing conditions

Technical Specifications

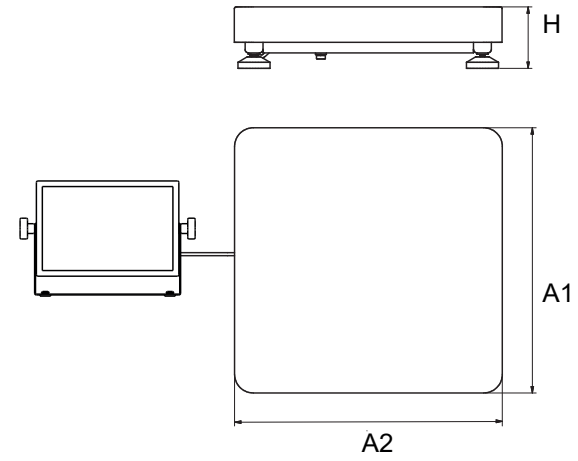
	WPW.150.C3.K*	WPW.300.C3.K*
Maximum capacity [Max]	150 kg	300 kg
Minimum capacity	1000 g	2000 g
Readability [d]	50 g	100 g
Max readability for non-verified scale	5 g	10 g
Verification unit [e]	50 g	100 g
Tare range	–150 kg	–300 kg
Verification	Yes	Yes
OIML class	III	III
Design material	powder-coated steel St3S	powder-coated steel St3S
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	on 1 m cable (K)	on 1 m cable (K)
Display	LCD (with backlight)	LCD (with backlight)
Keyboard	membrane, 25 keys	membrane, 25 keys
Indicator	PUE C41/H	PUE C41/H
Ingress protection - design	IP 65	IP 65
Ingress protection - indicator	IP 68/69	IP 68/69
RS 232	1	1
RS 485	1	1
AN module**	4-20mA, 0-20mA current loop; 0-10V voltage loop	4-20mA, 0-20mA current loop; 0-10V voltage loop
WE4 module**	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	4IN / 4OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
WE8 module**	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)	8IN / 8OUT - cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 0.5 ADC)
ET1G Ethernet module**	10 / 100 Mbit, M12 4-pin connector	10 / 100 Mbit, M12 4-pin connector
ET1D Ethernet module**	10 / 100 Mbit, 3 m cable terminated with RJ45	10 / 100 Mbit, 3 m cable terminated with RJ45
PK-01 module**	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)	4IN / 4OUT – cable gland for (IN – 5-24 VDC, OUT – max 30 VDC, 2 ADC)
Optional quantity of weighing platforms**	2 (additional DP-1 module required)	2 (additional DP-1 module required)
Power supply	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery	100 ÷ 240 V AC 50 ÷ 60 Hz / + battery
Power consumption	10 W	10 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C
Relative humidity***	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	500 × 700 mm	500 × 700 mm
Indicator dimensions	300 × 200 × 120 mm	300 × 200 × 120 mm
Net weight	25 kg	25 kg
Gross weight	29,5 kg	29,5 kg
Platform packaging dimensions	850 × 800 × 270 mm	850 × 800 × 270 mm
Indicator packaging dimensions	320 × 220 × 250 mm	320 × 220 × 250 mm

* option: dual range weighing instrument
** optional scale design
*** non-condensing conditions

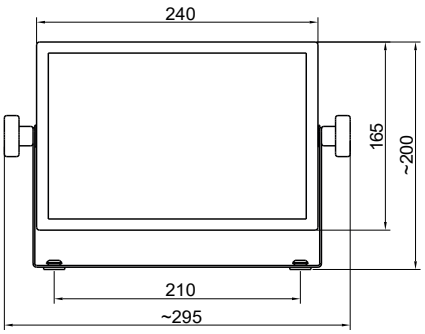
Dimensions

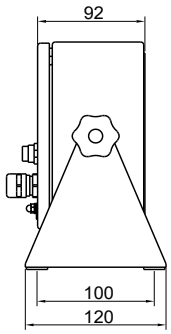


Platform C



Platform F1





PUE C41/H

Scale type	A1	A2	H
WPW C2.K	400	500	103 ±3
WPW C3.K	500	700	130 ±3
WPW F1.K	300	300	70 ±3

dimensions in mm

Accessories

Peripheral Devices
- Epson dot matrix printer
- Zebra labellers
- WWG-2/2 large-size display
- WWG-2/4 large-size display
- LCD – WD-4/3 display (backlit)
- stack light
- control buttons
- transponder card scanner
- barcode scanner

Cables, Converters
- PT0019 cable – (scale – Epson printer)
- PT0020 cable – (scale– computer)
- Ethernet 0198 cable
- IN/OUT– PT0256 cable

Weighing Platforms
- waterproof steel platforms
- stainless steel platforms with opening option
- stainless steel ramp platforms

Remaining Accessories
- stands for indicators
- roller table

Dedicated Software

R-LAB
- collecting data from weighing instruments
- measurements statistics
- customized graphs and reports

Labview Driver
- support of RADWAG-manufactured weighing instruments operating in LabView environment

Radwag Development Studio
- presentation of functions (and subfunctions) of communication protocol (Common Communication Protocol)
- possibility of connection with weighing equipment on which each function is carried out,
- library with mass control, contained within the development environment
- complete documentation of the communication protocol
- set of user manuals for different solutions addressed for programmers employed in companies using RADWAG-manufactured weighing equipment

RADWAG Connect
- establishing communication with all balances, scales and weighing modules using Common Communication Protocol
- communication via local network,
- support of basic functions
- auto searching for devices
- connecting with few devices simultaneously, swapping between them
- clear list of connected platforms
- record of measurements in the program,
- export of carried out measurements to CSV file,
- work performed using freely selected device with Windows 10 operating system

Label Editor R02
- designing labels templates
- sending graphics and fonts to labellers
- printing label templates using connected printers

RADWAG Remote Desktop
- remote control of the scale using computer, telephone or tablet
- sending messages to scale
- version for Windows 10 and Android

WPW Editor
- definable access levels for scale users;
- editing and changing all user parameters from computer level (filters, date / time, display backlight, INPUT / OUTPUT configuration, setting parameters of RS232, RS485, ETHERNET ports, etc);
- export, import and editing of databases;
- printouts from accomplished measurement series saved to a file;
- user definable data indicated in the bottom line of the terminal display;
- defining non-standard printouts.