

INDUSTRIJSKE TEHTNICE

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**Professional level scales
(PUE 7 terminal; III class approved; 3.000e)**

WPY



WPY/D



WPY/R



WPY/K



- Infrared proximity sensors



- Colorful touch-screen panel 5,7"



- Data exchange through USB storage devices



- Communication interfaces:
Ethernet, USB (2 ports), RS232



Counting pieces



Filling



Animal weighing



Density determination



Checkweighing



Percentage



Statistics



Formulation



Under-hook weighing



GLP procedures



Infrared sensors

Model	M	Max	d = e	Pan size	Prodajna cena €
WPY 0,6/D2	•	0,6 kg	0,2 g	195×195 mm	
WPY 1,5/D2	•	1,5 kg	0,5 g	195×195 mm	
WPY 3/D2	•	3 kg	1 g	195×195 mm	
WPY 6/D2	•	6 kg	2 g	195×195 mm	
WPY 15/D2	•	15 kg	5 g	195×195 mm	
WPY 6/C1/R	•	6 kg	2 g	360×290 mm	
WPY 6/C1/K	•	6 kg	2 g	360×290 mm	
WPY 15/C1/R	•	15 kg	5 g	360×290 mm	
WPY 15/C1/K	•	15 kg	5 g	360×290 mm	
WPY 30/C1/R	•	30 kg	10 g	360×290 mm	
WPY 30/C1/K	•	30 kg	10 g	360×290 mm	
WPY 60/C2/R	•	60 kg	20 g	500×400 mm	
WPY 60/C2/K	•	60 kg	20 g	500×400 mm	
WPY 150/C2/R	•	150 kg	50 g	500×400 mm	
WPY 150/C2/K	•	150 kg	50 g	500×400 mm	
WPY 300/C2/K	•	300 kg	100 g	500×400 mm	
WPY 150/C3/K	•	150 kg	50 g	700×500 mm	
WPY 300/C3/K	•	300 kg	100 g	700×500 mm	
Extra charge for dual range version					

Professional level scales (PUE 7 terminal; non approved; 60.000d)

WPY



WPY/D



WPY/R



WPY/K



- Infrared proximity sensors

Possibility of connection second platform!



- Colorful touch-screen panel 5,7"



- Data exchange through USB storage devices



- Communication interfaces: Ethernet, USB (2 ports), RS232



Counting pieces



Filling



Animal weighing



Density determination



Checkweighing



Percentage



Statistics



Formulation



Under-hook weighing



GLP procedures



Infrared sensors

Model	M	Max	d	Pan size	Prodajna cena €
WPY 1/D2		1 kg	0,01 g	195×195 mm	
WPY 2/D2		2 kg	0,02 g	195×195 mm	
WPY 6/D2		6 kg	0,1 g	195×195 mm	
WPY 10/D2		10 kg	0,1 g	195×195 mm	
WPY 20/D2		20 kg	0,1 g	195×195 mm	
WPY 6/C1/R		6 kg	0,1 g	360×290 mm	
WPY 6/C1/K		6 kg	0,1 g	360×290 mm	
WPY 12/C1/R		12 kg	0,2 g	360×290 mm	
WPY 12/C1/K		12 kg	0,2 g	360×290 mm	
WPY 30/C1/R		30 kg	0,5 g	360×290 mm	
WPY 30/C1/K		30 kg	0,5 g	360×290 mm	
WPY 60/C2/R		60 kg	1 g	500×400 mm	
WPY 60/C2/K		60 kg	1 g	500×400 mm	
WPY 120/C2/R		120 kg	2 g	500×400 mm	
WPY 120/C2/K		120 kg	2 g	500×400 mm	
WPY 300/C2/K		300 kg	5 g	500×400 mm	

Standard level scales (PUE C31 terminal; III class approved; 3.000e)

WPT/F



	Counting pieces
	Checkweighing
	Percentage
	Animal weighing
	Summing
	Peak hold

Table scales series WPT/F are designed for fast and precise mass determination. Tarring in the whole measuring range allows to determine Nett Mass of weighed loads. Scales feature low-profiled esthetic, construction with PUE C/31 measuring indicator equipped with backlit, LCD display. Their standard equipment includes one RS 232 interface, internal rechargeable NiMH accumulators, and a power adapter. Scales series /F can be made with a measuring indicator on a pillar, cable or fixed to the construction. Table scales series WPT/F can cooperate with PC software Scales Editor, which provides essential information on weighing indicated on the display. It also allows editing and modifying all the user parameters from the level of PC.

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/F 3C	•	3 kg	1 g	300×300 mm	
WPT/F 3C/K	•	3 kg	1 g	300×300 mm	
WPT/F 3C/R	•	3 kg	1 g	300×300 mm	
WPT/F 3/6C	•	3/6 kg	1/2 g	300×300 mm	
WPT/F 3/6C/K	•	3/6 kg	1/2 g	300×300 mm	
WPT/F 3/6C/R	•	3/6 kg	1/2 g	300×300 mm	
WPT/F 6C	•	6 kg	2 g	300×300 mm	
WPT/F 6C/K	•	6 kg	2 g	300×300 mm	
WPT/F 6C/R	•	6 kg	2 g	300×300 mm	
WPT/F 6/15C	•	6/15 kg	2/5 g	300×300 mm	
WPT/F 6/15C/K	•	6/15 kg	2/5 g	300×300 mm	
WPT/F 6/15C/R	•	6/15 kg	2/5 g	300×300 mm	
WPT/F 15C	•	15 kg	5 g	300×300 mm	
WPT/F 15C/K	•	15 kg	5 g	300×300 mm	
WPT/F 15C/R	•	15 kg	5 g	300×300 mm	
WPT/F 15/30C	•	15/30 kg	5/10 g	300×300 mm	
WPT/F 15/30C/K	•	15/30 kg	5/10 g	300×300 mm	
WPT/F 15/30C/R	•	15/30 kg	5/10 g	300×300 mm	
WPT/F 30C	•	30 kg	10 g	300×300 mm	
WPT/F 30C/K	•	30 kg	10 g	300×300 mm	
WPT/F 30C/R	•	30 kg	10 g	300×300 mm	
Extra charge for add display port					

Platform scales (PUE C31 terminal; III class approved; 3.000e)

WPT

WPT/R

WPT/K

WPT

CE

M



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold



WPT

WPT/K



Platform scales are designed for commercial trading (shops, restaurants, post offices) and all other places where fast determination of mass is needed. They are equipped with backlit LCD display and stainless steel weighing platform. Scales have mild steel construction, indicator PUE C/31 is installed on a pillar. The indicator's angle is fully adjustable. The scale is also offered with an indicator installed on a cable. Scales are powered either from mains or from batteries (6 x AA batteries).

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT 3 C1/R	•	3 kg	1 g	290×360 mm	
WPT 6 C1	•	6 kg	2 g	290×360 mm	
WPT 6 C1/K	•	6 kg	2 g	290×360 mm	
WPT 6 C1/R	•	6 kg	2 g	290×360 mm	
WPT 15 C1	•	15 kg	5 g	290×360 mm	
WPT 15 C1/K	•	15 kg	5 g	290×360 mm	
WPT 15 C1/R	•	15 kg	5 g	290×360 mm	
WPT 30 C1	•	30 kg	10 g	290×360 mm	
WPT 30 C1/K	•	30 kg	10 g	290×360 mm	
WPT 30 C1/R	•	30 kg	10 g	290×360 mm	
WPT 60 C2	•	60 kg	20 g	400×500 mm	
WPT 60 C2/K	•	60 kg	20 g	400×500 mm	
WPT 60 C2/R	•	60 kg	20 g	400×500 mm	
WPT 150 C2	•	150 kg	50 g	400×500 mm	
WPT 150 C2/K	•	150 kg	50 g	400×500 mm	
WPT 150 C2/R	•	150 kg	50 g	400×500 mm	
WPT 300 C2	•	300 kg	100 g	400×500 mm	
WPT 300 C2/K	•	300 kg	100 g	400×500 mm	
WPT 300 C2/R	•	300 kg	100 g	400×500 mm	
WPT 150 C3	•	150 kg	50 g	500×700 mm	
WPT 150 C3/K	•	150 kg	50 g	500×700 mm	
WPT 150 C3/R	•	150 kg	50 g	500×700 mm	
WPT 300 C3	•	300 kg	100 g	500×700 mm	
WPT 300 C3/K	•	300 kg	100 g	500×700 mm	
WPT 300 C3/R	•	300 kg	100 g	500×700 mm	
Extra charge for dual range version (C1)				290×360 mm	
Extra charge for dual range version (C2)				400×500 mm	
Extra charge for dual range version (C3)				500×700 mm	
Extra charge for add display port					
Extra charge for other weighing terminals - page 21					

Platform scales (PUE C31 terminal; non approved; 60.000d)

WPT



WPT



WPT/K

WPT/R



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold



Platform scales are designed for commercial trading (shops, restaurants, post offices) and all other places where fast determination of mass is needed. They are equipped with backlit LCD display and stainless steel weighing platform. Scales have mild steel construction, indicator PUE C/31 is installed on a pillar. The indicator's angle is fully adjustable. The scale is also offered with an indicator installed on a cable. Scales are powered either from mains or from batteries (6 x AA batteries).

Model	M	Max	d	Pan size	Prodajna cena €
WPT 3 C1/R		3 kg	0,05 g	290×360 mm	
WPT 6 C1		6 kg	0,1 g	290×360 mm	
WPT 6 C1/K		6 kg	0,1 g	290×360mm	
WPT 6 C1/R		6 kg	0,1 g	290×360 mm	
WPT 12 C		12 kg	0,2 g	290×360 mm	
WPT 12 C1/K		12 kg	0,2 g	290×360 mm	
WPT 12 C1/R		12 kg	0,2 g	290×360 mm	
WPT 30 C1		30 kg	0,5 g	290×360 mm	
WPT 30 C1/K		30 kg	0,5 g	290×360 mm	
WPT 30 C1/R		30 kg	0,5 g	290×360 mm	
WPT 60 C2		60 kg	1 g	400×500 mm	
WPT 60 C2/K		60 kg	1 g	400×500 mm	
WPT 60 C2/R		60 kg	1 g	400×500 mm	
WPT 120 C2		120 kg	2 g	400×500 mm	
WPT 120 C2/K		120 kg	2 g	400×500 mm	
WPT 120 C2/R		120 kg	2 g	400×500 mm	
WPT 300 C2		300 kg	5 g	400×500 mm	
WPT 300 C2/K		300 kg	5 g	400×500 mm	
WPT 300 C2/R		300 kg	5 g	400×500 mm	
Extra charge for add display port					

Waterproof platform scales (PUE C31H terminal; III class approved; 3.000e)

WPT H



WPT H
Pillar version



WPT H/K
Cable version



WPT 3H1
Pillar version



WPT 3H1/K
Cable version



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Waterproof scales are equipped with 100 % waterproof protection of load cell. this construction secures load cells against the influence of external factors. All the elements of the construction are made of stainless steel. Indicator PUE C/31H is installed on a pillar or installed on a 3 meter-long cable. IP rating: IP 67 construction, IP 66/67 indicator.

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT 3H1/K	•	3 kg	1 g	200×150 mm	
WPT 6H2/K	•	6 kg	2 g	250×300 mm	
WPT 15H2/K	•	15 kg	5 g	250×300 mm	
WPT 15H3/K	•	15 kg	5 g	410×410 mm	
WPT 30H3/K	•	30 kg	10 g	410×410 mm	
WPT 60H3/K	•	60 kg	20 g	410×410 mm	
WPT 150H3/K	•	150 kg	50 g	410×410 mm	
WPT 60H4/K	•	60 kg	20 g	500×500 mm	
WPT 150H4/K	•	150 kg	50 g	500×500 mm	
WPT 60H5/K	•	60 kg	20 g	600×600 mm	
WPT 150H5/K	•	150 kg	50 g	600×600 mm	
WPT 300H5/K	•	300 kg	100 g	600×600 mm	
WPT 150H6/K	•	150 kg	50 g	800×800 mm	
WPT 300H6/K	•	300 kg	100 g	800×800 mm	
Extra charge for dual range version					
Extra charge for pillar version - models with pan size H1					
Extra charge for pillar version - models with pan size H2					
Extra charge for pillar version - models with pan size H3 / H4					
Extra charge for pillar version - models with pan size H5 / H6					

Waterproof platform scales (PUE C31H terminal; III class approved; 3.000e)

WPT HR



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Waterproof scales are equipped with 100 % waterproof protection of load cell. this construction secures load cells against the influence of external factors. All the elements of the construction are made of stainless steel.
Indicator PUE C/31H is installed on a pillar or installed on a 3 meter-long cable.

**IP rating: construction IP68 – stainless steel AISI 316;
Indicator PUE C31H IP67; load cell IP68 – stainless steel**

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT 3HR2/K	•	3 kg	1 g	250×300 mm	
WPT 6HR2/K	•	6 kg	2 g	250×300 mm	
WPT 15HR2/K	•	15 kg	5 g	250×300 mm	
WPT 15HR3/K	•	15 kg	5 g	410×410 mm	
WPT 30HR3/K	•	30 kg	10 g	410×410 mm	
WPT 60HR3/K	•	60 kg	20 g	410×410 mm	
WPT 150HR3/K	•	150 kg	50 g	410×410 mm	
WPT 60HR4/K	•	60 kg	20 g	500×500 mm	
WPT 150HR4/K	•	150 kg	50 g	500×500 mm	
WPT 60HR5/K	•	60 kg	20 g	600×600 mm	
WPT 150HR5/K	•	150 kg	50 g	600×600 mm	
Extra charge for dual range version					
Extra charge for pillar version - models with pan size H2					
Extra charge for pillar version - models with pan size H3 / H4					
Extra charge for pillar version - models with pan size H5					

Multifunctional scales

(HY terminal; mild steel platform; III class approved; 3.000e)

HTY



	Counting pieces
	Statistics
	Checkweighing
	Percentage
	Recipe
	Summing

Multifunctional scales series HTY/C are designed for fast and precise determination of mass in industrial conditions. HTY/C series features **HY** indicator in stainless steel housing and a single load cell mild steel weighing platform.

All types of HTY/C scales have mild steel basis with stainless steel weighing platform and a 5.7" display in touch panel technology with membrane QWERTY keyboard and separate numeric and function keys. The scale can cooperate with an additional weighing platform. Optionally, HTY/C functionality has all functions accessible in **HY** indicator:

- programmable display and function keys,
- designing custom printouts,
- designing text data in display's window.

Multifunctional scales series HTY/C are offered with an indicator plugged to a weighing platform through a cable. (for weighing platform C1: 1 meter, for weighing platforms C2 and C3: 2,5 meters)

Features of **PUE HY** indicator :

- Counting pieces in industrial systems,
- Labelling in industrial weighing systems,
- Recipe systems;
- Simultaneous operation of maximally 4 weighing platforms,
- Intuitive operation through touch panel,
- Industrial interfaces: Profibus (option), Ethernet; RS485,
- Connection of indicators into network through Ethernet,
- Cooperation with external weighing module MW-01.

Model	M	Max	d = e	Pan size	Prodajna cena €
HTY 6 C1/K	•	6 kg	2 g	290×360 mm	
HTY 15 C1/K	•	15 kg	5 g	290×360 mm	
HTY 30 C1/K	•	30 kg	10 g	290×360 mm	
HTY 30 C2/K	•	30 kg	10 g	400×500 mm	
HTY 60 C2/K	•	60 kg	20 g	400×500 mm	
HTY 150 C2/K	•	150 kg	50 g	400×500 mm	
HTY 300 C2/K	•	300 kg	100 g	400×500 mm	
HTY 150 C3/K	•	150 kg	50 g	500×700 mm	
HTY 300 C3/K	•	300 kg	100 g	500×700 mm	
Extra charge for dual range version					

Waterproof multifunctional scales (HY terminal; stainless steel platform; III class approved; 3.000e)

HTY/H



Counting pieces



Statistics



Checkweighing



Percentage



Recipe



Summing

Multifunctional scales series HTY/H are designed to fast and precise determination of mass in industrial conditions. HTY/H series features HY indicator in stainless steel housing and a stainless steel weighing platform.

All types of HTY/H scales are made of stainless steel OH18N9 including the weighing platform, and a 5'7" display in touch panel technology with membrane QWERTY keyboard and separate numeric and function keys. The scale can cooperate with an additional weighing platform.

Optionally, HTY/H functionality has all functions accessible in PUE HY indicator :

- programmable display and function keys,
- designing custom printouts,
- designing text data in display's window.

Multifunctional scales series HTY/C are offered with an indicator plugged to a weighing platform through a cable. (for weighing platform C1: 1 meter, for weighing platforms C2 and C3: 2,5 meters)

Features of PUE HY indicator:

- Counting pieces in industrial systems,
- Labelling in industrial weighing systems,
- Simultaneous operation of maximally 4 weighing platforms,
- Intuitive operation through touch panel,
- Industrial interfaces: Profibus, RS485,
- Connection of indicators into network through Ethernet,
- Cooperation with external weighing module MW-01.

Model	M	Max	d = e	Pan size	Prodajna cena €
HTY 3 H1	•	3 kg	1 g	200×150 mm	
HTY 6 H2/K	•	6 kg	2 g	250×300 mm	
HTY 15 H2/K	•	15 kg	5 g	250×300 mm	
HTY 15 H3/K	•	15 kg	5 g	410×410 mm	
HTY 30 H3/K	•	30 kg	10 g	410×410 mm	
HTY 60 H3/K	•	60 kg	20 g	410×410 mm	
HTY 150 H3/K	•	150 kg	50 g	410×410 mm	
HTY 60 H4/K	•	60 kg	20 g	500×500 mm	
HTY 150 H4/K	•	150 kg	50 g	500×500 mm	
HTY 60 H5/K	•	60 kg	20 g	600×600 mm	
HTY 150 H5/K	•	150 kg	50 g	600×600 mm	
HTY 300 H5/K	•	300 kg	100 g	600×600 mm	
HTY 150 H6/K	•	150 kg	50 g	800×800 mm	
HTY 300 H6/K	•	300 kg	100 g	800×800 mm	
Extra charge for dual range version					

4 load cell mild steel scales (PUE C31 terminal; mild steel platform; III class approved; 3.000e)

WPT/4



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4 150 C6	•	150 kg	0,05 kg	800×800 mm	
WPT/4 300 C6	•	300 kg	0,1 kg	800×800 mm	
WPT/4 600 C6	•	600 kg	0,2 kg	800×800 mm	
WPT/4 1500 C6	•	1500 kg	0,5 kg	800×800 mm	
WPT/4 150 C7	•	150 kg	0,05 kg	1000×1000 mm	
WPT/4 300 C7	•	300 kg	0,1 kg	1000×1000 mm	
WPT/4 600 C7	•	600 kg	0,2 kg	1000×1000 mm	
WPT/4 1500 C7	•	1500 kg	0,5 kg	1000×1000 mm	
WPT/4 1500 C8	•	1500 kg	0,5 kg	1200×1200 mm	
WPT/4 3000 C8	•	3000 kg	1 kg	1200×1200 mm	
WPT/4 1500 C8/9	•	1500 kg	0,5 kg	1200×1500 mm	
WPT/4 3000 C8/9	•	3000 kg	1 kg	1200×1500 mm	
WPT/4 1500 C9	•	1500 kg	0,5 kg	1500×1500 mm	
WPT/4 3000 C9	•	3000 kg	1 kg	1500×1500 mm	
WPT/4 3000 C10	•	3000 kg	1 kg	1500×2000 mm	
WPT/4 3000 C11	•	3000 kg	1 kg	2000×2000 mm	
WPT/4 6000 C11	•	6000 kg	2 kg	2000×2000 mm	
Extra charge for dual range version					
Extra charge for ramp for the scale				800×800 mm	
Extra charge for ramp for the scale				1000×1000 mm	
Extra charge for ramp for the scale				1200×1200 mm	
Extra charge for ramp for the scale				1500×1500 mm	
Extra charge for ramp for the scale				other sizes	
Extra charge for pit frame for the scale				800x800 mm	
Extra charge for pit frame for the scale				1000×1000 mm	
Extra charge for pit frame for the scale				1200×1200 mm	
Extra charge for pit frame for the scale				1500×1500 mm	
Extra charge for pit frame for the scale				2000×2000 mm	

4 load cell stainless steel scales
(PUE C31H terminal; stainless steel; III class approved; 3.000e)

WPT/4H



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4 300 H6	•	300 kg	100 g	800×800 mm	
WPT/4 600 H6	•	600 kg	200 g	800×800 mm	
WPT/4 300 H7	•	300 kg	100 g	1000×1000 mm	
WPT/4 600 H7	•	600 kg	200 g	1000×1000 mm	
WPT/4 1500 H7	•	1500 kg	500 g	1000×1000 mm	
WPT/4 1500 H8	•	1500 kg	500 g	1200×1200 mm	
WPT/4 3000 H8	•	3000 kg	1000 g	1200×1200 mm	
WPT/4 1500 H8 /9	•	1500 kg	500 g	1200×1500 mm	
WPT/4 3000 H8 /9	•	3000 kg	1000 g	1200×1500 mm	
WPT/4 1500 H9	•	1500 kg	500 g	1500×1500 mm	
WPT/4 3000 H9	•	3000 kg	1000 g	1500×1500 mm	
WPT/4 3000 H10	•	3000 kg	1000 g	1500×2000 mm	
WPT/4 6000 H10	•	6000 kg	2000 g	1500×2000 mm	
Extra charge for dual range version					

4 load cell stainless steel scales in pit version (PUE C31H terminal; stainless steel; III class approved; 3.000e)

WPT/4H/Z



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Mass measurement with the system of four load cells guarantees high precision, regardless of load position on the weighing pan. This platform scales with 4 load cells are manufactured in fully stainless steel technology and are offered in pit version. They are equipped with openable weighing platform (for easy cleaning area under the platform). Stainless steel measuring indicator PUE C/31H with backlit LCD display is installed on 3 meter long cable with possibility of mounting on wall. Range of capacities for this scale varies from 300 kg / 100 g up to 6000 kg / 2000g. Scales are powered from mains, RS 232 output is offered as standard.

IP rating: construction IP68 – stainless steel;

Indicator PUE C31H IP67; load cell IP68 – stainless steel

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4 300 H6/Z	•	300 kg	100 g	800×800 mm	
WPT/4 600 H6/Z	•	600 kg	200 g	800×800 mm	
WPT/4 300 H7/Z	•	300 kg	100 g	1000×1000 mm	
WPT/4 600 H7/Z	•	600 kg	200 g	1000×1000 mm	
WPT/4 1500 H7/Z	•	1500 kg	500 g	1000×1000 mm	
WPT/4 1500 H8/Z	•	1500 kg	500 g	1200×1200 mm	
WPT/4 3000 H8/Z	•	3000 kg	1000 g	1200×1200 mm	
WPT/4 1500 H8/9/Z	•	1500 kg	500 g	1200×1500 mm	
WPT/4 3000 H8/9/Z	•	3000 kg	1000 g	1200×1500 mm	
WPT/4 1500 H9/Z	•	3000 kg	500 g	1500×1500 mm	
WPT/4 3000 H9/Z	•	3000 kg	1000 g	1500×1500 mm	
WPT/4 3000 H10/Z	•	3000 kg	1000 g	1500×2000 mm	
WPT/4 6000 H10/Z	•	6000 kg	2000 g	1500×2000 mm	
Extra charge for dual range version					

4 load cell stainless steel ramp scales (PUE C31H terminal; stainless steel; III class approved; 3.000e)

WPT/4N



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold



Ramp scales with stainless steel load cells are widely applied in meat, fish, pharmaceutical, cosmetic and chemical industry. they are manufactured in complete stainless steel technology with stainless steel indicator PUE C/31H installed on a 3 meter long cable. Ramp scales are manufactured from OH18N9 stainless steel with IP 68. For special order, it is possible to manufacture ramp scales in upgraded anti-rust stainless steel version.

**IP rating: construction IP68 – stainless steel;
Indicator PUE C31H IP67; load cell IP68 – stainless steel**

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4N 400 H1	•	400 kg	200 g	840×860 mm	
WPT/4N 400 H2	•	400 kg	200 g	1100×1200 mm	
WPT/4N 800 H2	•	800 kg	500 g	1100×1200 mm	
WPT/4N 1500 H2	•	1500 kg	500 g	1100×1200 mm	
WPT/4N 800 H3	•	800 kg	500 g	1200×1500 mm	
WPT/4N 1500 H3	•	1500 kg	500 g	1200×1500 mm	
WPT/4N 1500 H4	•	1500 kg	500 g	1500×1500 mm	
Extra charge for dual range version					

4 load cell pallet scales (PUE C31 / PUE C31H terminal; III class approved; 3.000e)

WPT/4P

WPT/4PC

(PUE C31 terminal
mild steel construction)



WPT/4PH

(PUE C31H terminal
stainless steel construction)



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Pallet scales are based on a sturdy and reliable 4 load cell constructions designed for weighing pallets. The load can be placed on the platform by average fork-lift truck. Pallet scales are manufactured in mild steel version and in stainless steel version. Pallet scales are equipped with wheels and handles for simple usage and transport of the scale. The scale has backlit LCD indicator PUE C/31 installed on a three meter long cable. Power supply 230V AC, RS 232 output as standard. IP rating: IP 68 construction, IP 66/67 indicator (stainless steel version) or IP 67 construction, IP 43 indicator (mild steel version).

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4P 600C	•	600 kg	200 g	860×1200 mm	
WPT/4P 1000C	•	1000 kg	500 g	860×1200 mm	
WPT/4P 2000C	•	2000 kg	1000 g	860×1200 mm	
WPT/4P 3000C	•	3000 kg	1000 g	860 1200 mm	
WPT/4P 600H	•	600 kg	200 g	860×1200 mm	
WPT/4P 1000H	•	1000 kg	500 g	860×1200 mm	
WPT/4P 2000H	•	2000 kg	1000 g	860×1200 mm	
WPT/4P 3000H	•	3000 kg	1000 g	860×1200 mm	
Extra charge for dual range version					

4 load cell beam scales (PUE C31 / PUE C31H terminal; III class approved; 3.000e)

WPT/4P2

WPT/4P2C

(PUE C31 terminal
mild steel construction)



WPT/4P2H

(PUE C31H terminal
stainless steel construction)



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Beam scales are sturdy and reliable four load cells weighing solutions with more versatile application than pallet scales. Due to changeable distance between the beams (up to 5 meters) they fit to very different loads (cases, long bars, heavy sections). The load can be placed on the platform by average fork-lift truck. Beam scales series are manufactured in mild steel version and in stainless steel version. It is possible to add more beam to each scale and optional equipment, max is 4 beams as one scale. The scale has backlit LCD measuring indicator PUE C/31 installed on a three meter long cable. Power supply 230V AC, RS 232 output as standard. IP rating: IP 68 construction, IP 66/67 indicator (stainless steel version) or IP 67 construction, IP 43 indicator (mild steel version).

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4P2 600 C	•	600 kg	200 g	2 beams 1,2 m lenght	
WPT/4P2 1500 C	•	1500 kg	500 g	2 beams 1,2 m lenght	
WPT/4P2 3000 C	•	3000 kg	1000 g	2 beams 1,2 m lenght	
WPT/4 2 2000 C1	•	2000 kg	1000 g	2 beams 2,0 m lenght	
WPT/4P2 4000 C1	•	4000 kg	2000 g	2 beams 2,0 m lenght	
WPT/4P2 6000 C1	•	6000 kg	2000 g	2 beams 2,0 m lenght	
WPT/4P2 2000 C2	•	2000 kg	1000 g	2 beams 2,5 m lenght	
WPT/4P2 4000 C2	•	4000 kg	2000 g	2 beams 2,5 m lenght	
WPT/4P2 6000 C2	•	6000 kg	2000 g	2 beams 2,5 m lenght	
WPT/4P2 600 H	•	600 kg	200 g	2 beams 1,2 m lenght	
WPT/4P2 1500 H	•	1500 kg	500 g	2 beams 1,2 m lenght	
WPT/4P2 3000 H	•	3000 kg	1000 g	2 beams 1,2 m lenght	
WPT/4P2 2000 H1	•	2000 kg	1000 g	2 beams 2,0 m lenght	
WPT/4P2 4000 H1	•	4000 kg	2000 g	2 beams 2,0 m lenght	
WPT/4P2 6000 H1	•	6000 kg	2000 g	2 beams 2,0 m lenght	
WPT/4P2 2000 H2	•	2000 kg	1000 g	2 beams 2,5 m lenght	
WPT/4P2 4000 H2	•	4000 kg	2000 g	2 beams 2,5 m lenght	
WPT/4P2 6000 H2	•	6000 kg	2000 g	2 beams 2,5 m lenght	
Extra charge for dual range version					
Extra charge for add beam length 1,2m / 2m or 2,5m (mild steel)					
Extra charge for add beam length 1,2m / 2m or 2,5m (stainless steel)					

Livestock scales (PUE C31H terminal; III class approved; 3.000e)

WPT/4I



WPT/4I S (mild steel version)

WPT/4I H (stainless steel version)



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

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

IP rating:

IP 68 construction, IP 66/67 indicator (stainless steel version WPT/4I S);

IP 67 construction, IP 66/67 indicator (mild steel version WPT/4I H).

Barrier height depends on the dimensions of the platform:

- for platform 1×2 m - barrier height 1,1 m;

- for platform 1×2 or 1×2,5 m - barrier height 1,8 m.

Model	M	Max	d = e	Dimensions (L×W×H)	Prodajna cena €
WPT/4I 2000 S1	•	2000 kg	1 kg	2 ×1 ×1,1 m	
WPT/4I 2000 S2	•	2000 kg	1 kg	2 ×1 ×1,8 m	
WPT/4I 2000 S3	•	2000 kg	1 kg	2,5 ×1 ×1,8 m	
WPT/4I 2000 H1	•	2000 kg	1kg	2 x1 ×1,1 m	
WPT/4I 2000 H2	•	2000 kg	1 kg	2 ×1 ×1,8 m	
WPT/4I 2000 H3	•	2000 kg	1 kg	2,5 ×1 ×1,8 m	

Overhead track scales (PUE C31H terminal; III class approved; 2x3.000e)

WPT/2K



Counting pieces



Checkweighing



Percentage



Summing

Designed for weighing loads which move on tracks of scales. Scale can cooperate with device for evaluating meat content. LCD backlit indicator installed on a wire. Overhead scales are manufactured either in galvanized and in stainless steel version, as dual range weighing instruments. They are equipped with stainless steel backlit LCD measuring indicator PUE C/31H. IP rating: IP 67 construction, IP 66/67 indicator (mild steel version).

Model	M	Max	d	Track length	Prodajna cena €
WPT/2K 300/600	•	300/600 kg	0,1/0,2 kg	max. 800 mm	
WPT/2K 300/600H	•	300/600 kg	0,1/0,2 kg	max. 800 mm	

Extra charges for different terminals
(prices for all types of scales on pages 5 – 20)

Extra charges when replacing **PUE C31 (plastic case)** terminal into :

Model	Prodajna cena €
PUE C31H	
PUE C41H	
PUE 5	
PUE 5.15 (display 15')	
PUE 5.19 (display 19')	
PUE 7	
PUE 7/P	
HY	

Extra charges when replacing **PUE C31H (stainless steel case)** terminal into :

Model	Prodajna cena €
PUE C41H	
PUE 5	
PUE 5.15 (display 15')	
PUE 5.19 (display 19')	
PUE 7	
PUE 7/P	
HY	



DWT/HL HP



DWT/HL H



Automatic checkweighers series DWT/HL are dedicated mainly for systems of Control of Packaged Goods. They are manufactured in stainless steel technology, and used in food industry. In DWT/HL/HP control set is based on an industrial computer and Windows system. Big dimension touch screen guarantees easy and simple operation. In DWT/HL/H control set is based on TMC weighing terminal equipped with alphanumeric keyboard, separate display for mass and 4 line text display for communication between the weighing instrument and operator. Scale is equipped with numerous additional functions, which allows for cooperation with other devices and data base systems. Scale have EC type approval, and are offered as EC verified.

Model	Max	d	Prodajna cena €
DWT/HL 600 HP	600 g	0,2 g	Po dogovoru
DWT/HL 1500 HP	1500 g	0,5 g	Po dogovoru
DWT/HL 3000 HP	3000 g	1 g	Po dogovoru
DWT/HL 6000 HP	6000 g	2 g	Po dogovoru
DWT/HL 7500 HP	7500 g	5 g	Po dogovoru
DWT/HL 600 H	600 g	0,2 g	Po dogovoru
DWT/HL 1500 H	1500 g	0,5 g	Po dogovoru
DWT/HL 3000 H	3000 g	1 g	Po dogovoru
DWT/HL 6000 H	6000 g	2 g	Po dogovoru
DWT/HL 7500 H	7500 g	5 g	Po dogovoru



DWT/HC/S (mild steel)
DWT/HC/H (stainless steel)



DWT/HC/HF



DWT/HC/HP



CE M 11 1383

Checkweighers **DWT/HC** are designed for mass control of loads with capacity up to 600 kg. they are manufactured in two options: as mild steel and stainless steel construction. Compact scale with easy access to cleaning is very good for application in food, alcoholic industry and transportation systems. Scale is able to cooperate either with automatic systems or computer network. Scale have EC type approval, and are offered as EC verified.

Checkweighers **DWT/HC HF** and **DWT/HC 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 control mechanism is based on TMC (in DWT/HC HF) or PUE5 (in DWT/HC HP) weighing head, facilitating easy communication between the operator and the machine and providing additional features.

Model	Max	d	Prodajna cena €
DWT/HC/ 10 S	10k g	5 g	Po dogovoru
DWT/HC 10 H	10 kg	5 g	Po dogovoru
DWT/HC 15 S	15 kg	5 g	Po dogovoru
DWT/HC 15 H	15 kg	5 g	Po dogovoru
DWT/HC 30 S	30 kg	10 g	Po dogovoru
DWT/HC 30 H	30 kg	10 g	Po dogovoru
DWT/HC 150 S	150 kg	50 g	Po dogovoru
DWT/HC 150 H	150 kg	50 g	Po dogovoru
DWT/HC 600 S	600 g	200 g	Po dogovoru
DWT/HC 600 H	600 g	200 g	Po dogovoru
DWT/HC 10 HF	10 kg	5 g	Po dogovoru
DWT/HC 15 HF	15 kg	5 g	Po dogovoru
DWT/HC 30 HF	30 kg	10 g	Po dogovoru
DWT/HC 60 HF	60 kg	20 g	Po dogovoru
DWT/HC 120 HF	120 kg	50 g	Po dogovoru
DWT/HC 150 HF	150 kg	50 g	Po dogovoru
DWT/HC 10 HP	10 kg	5 g	Po dogovoru
DWT/HC 15 HP	15 kg	5 g	Po dogovoru
DWT/HC 30 HP	30 kg	10 g	Po dogovoru
DWT/HC 60 HP	60 kg	20 g	Po dogovoru
DWT/HC 120 HP	120 kg	50 g	Po dogovoru
DWT/HC 150 HP	150 kg	50 g	Po dogovoru



Automatic checkweighers series DWT/HC/SR 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.

Model	Max	d	Prodajna cena €
DWT/HC 300 SR	300 kg	100 g	Po dogovoru
DWT/HC 300 HR	300 kg	100 g	Po dogovoru
DWT/HC 600 SR	600 kg	200 g	Po dogovoru
DWT/HC 600 HR	600 kg	200 g	Po dogovoru
DWT/HC 1500 SR	1500 kg	500 g	Po dogovoru
DWT/HC 1500 HR	1500 kg	500 g	Po dogovoru
DWT/HC 3000 SR	3000 kg	1000 g	Po dogovoru
DWT/HC 3000 HR	3000 kg	1000 g	Po dogovoru
DWT/HC 6000 SR	6000 kg	2000 g	Po dogovoru
DWT/HC 6000 HR	6000 kg	2000 g	Po dogovoru



Automatic rotational scale is designed for operation in production lines of cylindrical packaged goods, like aerosols, sprays, glass and plastic bottles, etc.

Control unit is based on Windows Embedded software and SQL data base server. Industrial computer is specially 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 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 its installation. Scale is pneumatically powered, which provides high durability and reliability.

Model	Max	d	Prodajna cena €
DWR/H 600 H1	600 g	0,2 g	Po dogovoru
DWR/H 1500 H1	1500 g	0,5 g	Po dogovoru
DWR/H 3000 H1	3000 g	1 g	Po dogovoru
DWR/H 6000 H1	6000 g	2 g	Po dogovoru
DWR/H 7500 H1	7500 g	5 g	Po dogovoru

Application:

Rotational scale for control of single packages cylindrically shaped, like aerosol, with diameter 35- 66mm*. System is operating in accordance with regulation on Control of Prepackaged Goods.

Rotational scale is applicable with below industrial branches:

- Chemical industry,
- Pharmaceutical industry,
- Distilling industry,
- Food processing industry .

**Platform scales with EX certificate
(PUE C31H/EX terminal; III class approved; 3.000e)**

WPT/EX



	Counting pieces
	Filling
	Checkweighing
	Percentage
	Animal weighing
	Summing

Scales series WPT EX are designed for fast and precise determination of mass in laboratory and industrial conditions in explosive areas. 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 .

Scales series WPT EX are designed for operation in EX zones 1 and 2 of mixtures of explosive vapours, gasses and fogs with air, which also constitute for explosive group IIB and temperature classes T1, T2, T3 and T4.

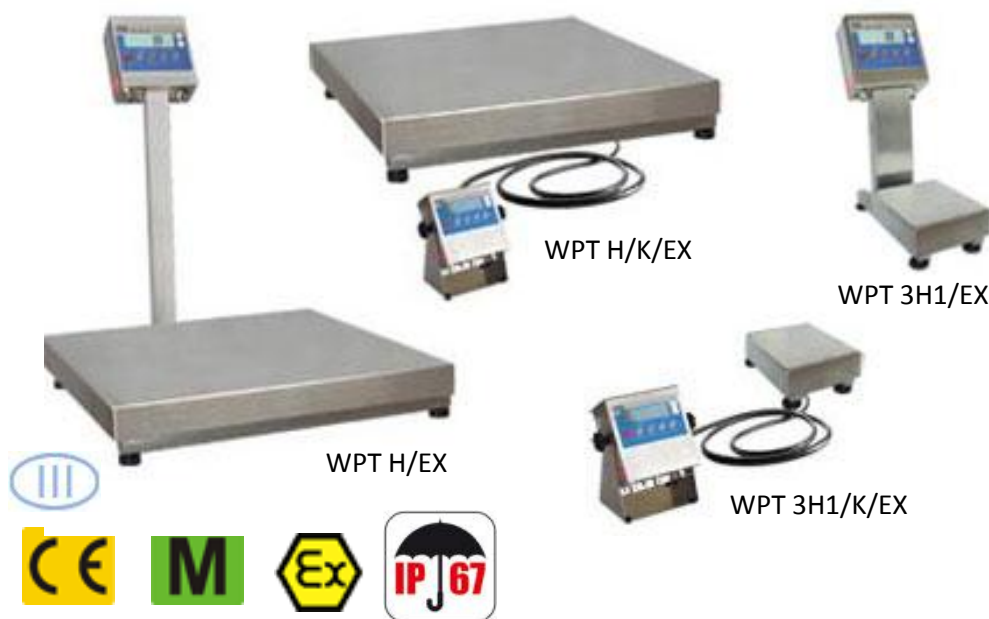
WPT EX series features weighing platform 290×360 mm or 400×500mm manufactured in mild steel technology and stainless steel indicator with backlit LCD display. The indicator is connected to the weighing platform by a cable, and it is equipped with a handle for installation on wall.

Compatibility with ATEX: II 2 G IIB T4

Model	M	Max	d	Pan size	Prodajna cena €
WPT 6 C1/K/EX	•	6 kg	2 g	290×360 mm	
WPT 15 C1/K/EX	•	15 kg	5 g	290×360 mm	
WPT 30 C1/K/EX	•	30 kg	10 g	290×360 mm	
WPT 30 C2/K/EX	•	30 kg	10 g	400×500 mm	
WPT 60 C2/K/EX	•	60 k	20 g	400×500 mm	
WPT 150 C2/K/EX	•	150 kg	50 g	400×500 mm	

Waterproof platform scales with EX certificate (PUE C31H/EX terminal; III class approved; 3.000e)

WPT H/EX



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold



Waterproof platform scales are designed for fast and precise determination of mass in laboratory and industrial conditions and in explosive zones. The indicator and 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, and it is equipped with diode battery connected to mains 230 V. Cable connecting power socket to scale is 20 meters.

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

Scales series WPT/H EX are prepared for operation on humid conditions or in direct contact with water. They feature an indicator series PUE C/31H/EX with backlit LCD display installed on a pillar. Optionally, scale can be manufactured with indicator on a cable. WPT/H EX is made in fully stainless steel basis model OH18N9. Range of available capacity is from 6kg/2g to 150kg/50g.

Compatibility with ATEX: II 2 G IIB T4

Model	M	Max	d	Pan size	Prodajna cena €
WPT 3H1/EX	•	3 kg	1 g	200×150 mm	
WPT 3H1/K/EX	•	3 kg	1 g	200×150 mm	
WPT 6H2/EX	•	6 kg	2 g	250×300 mm	
WPT 6H2/K/EX	•	6 kg	2 g	250×300 mm	
WPT 15H2/EX	•	15 kg	5 g	250×300 mm	
WPT 15H2/K/EX	•	15 kg	5 g	250×300 mm	
WPT 15H3/EX	•	15 kg	5 g	410×410 mm	
WPT 15H3/K/EX	•	15 kg	5 g	410×410 mm	
WPT 30H3/EX	•	30 kg	10 g	410×410 mm	
WPT 30H3/K/EX	•	30 kg	10 g	410×410 mm	
WPT 60H3/EX	•	60 kg	20 g	410×410 mm	
WPT 60H3/K/EX	•	60 kg	20 g	410×410 mm	
WPT 150H3/EX	•	150 kg	50 g	410×410 mm	
WPT 150H3/K/EX	•	150 kg	50 g	410×410 mm	
WPT 60H4/EX	•	60 kg	20 g	500×500 mm	
WPT 60H4/K/EX	•	60 kg	20 g	500×500 mm	
WPT 150H4/EX	•	150 kg	50 g	500×500 mm	
WPT 150H4/K/EX	•	150 kg	50 g	500×500 mm	
WPT 60H5/EX	•	60 kg	20 g	600×600 mm	
WPT 60H5/K/EX	•	60 kg	20 g	600×600 mm	
WPT 150H5/EX	•	150 kg	50 g	600×600 mm	
WPT 150H5/K/EX	•	150 kg	50 g	600×600 mm	

**4 load cell mild steel scales with EX certificate
(PUE C31H/EX terminal; III class approved; 3.000e)**

WPT/4/EX



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold



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.

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.

Compatibility with ATEX: II 2 G IIB T4

Model	M	Max	d	Pan size	Prodajna cena €
WPT/4 600 C6/EX	•	600 kg	0,2 kg	800×800 mm	
WPT/4 1500 C7/EX	•	1500 kg	0,5 kg	1000×1000 mm	
WPT/4 1500 C8/EX	•	1500 kg	0,5 kg	1200×1200 mm	
WPT/4 3000 C8/EX	•	3000 kg	1 kg	1200×1200 mm	
WPT/4 1500 C8/9/EX	•	1500 kg	0,5 kg	1200×1500 mm	
WPT/4 3000 C8/9/EX	•	3000 kg	1 kg	1200×1500 mm	
WPT/4 1500 C9/EX	•	1500 kg	0,5 kg	1500×1500 mm	
WPT/4 3000 C9/EX	•	3000 kg	1 kg	1500×1500 mm	
WPT/4 3000 C10/EX	•	3000 kg	1 kg	1500×2000 mm	
WPT/4 3000 C11/EX	•	3000 kg	1 kg	2000×2000 mm	

4 load cell pallet scales with EX certificate (PUE C31H/EX terminal; III class approved; 3.000e)

WPT/4P/EX



WPT/4PC/EX
(mild steel construction)



WPT/4PH/EX
(stainless steel construction)

	Counting pieces
	Checkweighing
	Percentage
	Animal weighing
	Summing
	Peak hold



Four load cell EX scales are designed for fast and precise mass measurement 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

Pallet scales series WPT/4P EX are designed for operation in explosives zones 1 and 2 of mixtures of vapours, gasses and fogs with air, which constitute for explosivity group IIB (mild steel scales) and IIC (stainless steel scales) and temperature classes T1, T2, T3 and T4.

Determination of mass with four load cell technology ensures high weighing accuracy regardless of load positioning on the weighing platform. Pallet scales are stable and well developed constructions for weighing pallets. Scales are manufactured in mild steel technology and in stainless 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.

Compatibility with ATEX: II 2 G IIB T4

Model	M	Max	d	Pan size	Prodajna cena €
WPT/4P 600 C/EX	•	600 kg	200 g	860×1200 mm	
WPT/4P 1000 C/EX	•	1000 kg	500 g	860×1200 mm	
WPT/4P 2000 C/EX	•	2000 kg	1000 g	860×1200 mm	
WPT/4P 3000 C/EX	•	3000 kg	1000 g	860×1200 mm	
WPT/4P 600 H/EX	•	600 kg	200 g	860×1200 mm	
WPT/4P 1000 H/EX	•	1000 kg	500 g	860×1200 mm	
WPT/4P 2000 H/EX	•	2000 kg	1000 g	860×1200 mm	
WPT/4P 3000 H/EX	•	3000 kg	1000 g	860×1200 mm	

**4 load cell ramp scales with EX certificate
(PUE C31H/EX terminal; III class approved; 3.000e)**

WPT/4N/EX



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

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.

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.

Ramp scales are manufactured in stainless steel technology with application of steel model 0H18N9, they are equipped with stainless steel measuring indicator with backlit LCD display. measuring indicator is connected to the weighing platform by a cable, and it is equipped with a handle for installation on wall. IP rating: IP 68 construction, IP 66/67 indicator.

Compatibility with ATEX: II 2 G IIB T4

Model	M	Max	d	Pan size	Prodajna cena €
WPT/4N 400 H1/EX	•	400 kg	200 g	840×860 mm	
WPT/4N 400 H2/EX	•	400 kg	200 g	1100×1200 mm	
WPT/4N 800 H2/EX	•	800 kg	500 g	1100×1200 mm	
WPT/4N 1500 H2/EX	•	1500 kg	500 g	1100×1200 mm	
WPT/4N 800 H3/EX	•	800 kg	500 g	1200×1500 mm	
WPT/4N 1500 H3/EX	•	1500 kg	500 g	1200×1500 mm	
WPT/4N 1500 H4/EX	•	1500 kg	500 g	1500×1500 mm	

4 load cell stainless steel scales in pit version with EX certificate
(PUE C31H terminal; stainless steel; III class approved; 3.000e)

WPT/4H/Z/EX



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

Four load cell EX scales are designed for fast and reliable determining mass in industrial conditions and in explosive zones. The indicator and the weighing platform operate in explosive area. They are powered by intrinsically safe power adapter ZRi02 manufactured by RADWAG. The power adapter, plugged to mains (230V) operates outside EX zone, it features diode battery and it is connected to scale by 20 meter long cable.

Scales series WTC/4/Z 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/Z 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.

Compatibility with ATEX: II 2 G IIB T4


**IP rating: construction IP68 – stainless steel;
Indicator PUE C31H IP67; load cell IP68 – stainless steel**

Model	M	Max	d = e	Pan size	Prodajna cena €
WPT/4 300 H6/Z /EX	•	300 kg	100 g	800×800 mm	
WPT/4 600 H6/Z /EX	•	600 kg	200 g	800×800 mm	
WPT/4 300 H7/Z /EX	•	300 kg	100 g	1000×1000 mm	
WPT/4 600 H7/Z /EX	•	600 kg	200 g	1000×1000 mm	
WPT/4 1500 H7/Z /EX	•	1500 kg	500 g	1000×1000 mm	
WPT/4 1500 H8/Z /EX	•	1500 kg	500 g	1200×1200 mm	
WPT/4 3000 H8/Z /EX	•	3000 kg	1000 g	1200×1200 mm	
WPT/4 1500 H8/9/Z /EX	•	1500 kg	500 g	1200×1500 mm	
WPT/4 3000 H8/9/Z /EX	•	3000 kg	1000 g	1200×1500 mm	
WPT/4 1500 H9/Z /EX	•	3000 kg	500 g	1500×1500 mm	
WPT/4 3000 H9/Z /EX	•	3000 kg	1000 g	1500×1500 mm	
WPT/4 3000 H10/Z /EX	•	3000 kg	1000 g	1500×2000 mm	
WPT/4 6000 H10/Z /EX	•	6000 kg	2000 g	1500×2000 mm	

Scales for post offices
(PUE C31 terminal; III class approved; 3.000e)

WPT/P






 WPT/P
(scales for weighing letters)




WPT/P
(scales for weighing packages)



	Counting pieces
	Filling
	Checkweighing
	Percentage
	Animal weighing
	Summing
	Peak hold

Postal scales are designed for weighing letters with possibility of multiple tarring in whole measuring range. Stabilization time is approximately 2 seconds. The indicator, equipped with LCD display is attached to the weighing platform. Additionally, the scale has second display for customers. Non-verified weighing equipment can have additional functions, like: lock of maximal indication and measuring in Newtons. The scales are powered by mains or batteries, optionally, the scales can be equipped with RS 232 output.

Model		Max	d = e	Pan size	Prodajna cena €
WPT/P2	•	2 kg	1 g	230×165 mm	
WPT/P60	•	60 kg	20 g	400×500 mm	

Personal scales for medical application
(PUE C31 terminal; III class approved; 3.000e)

WPT/O



Counting pieces



Checkweighing



Percentage



Summing



Peak hold



Internal accumulator



Scales designed for weighing patients in clinics. Using height-meter, it is possible to measure the height of a patient up to 2 meters. Scales are equipped with backlit LCD display, Power supply either by mains or by batteries.

Personal scales are manufactured in two versions:

with height-meter (indicator installed on the pillar of height - meter) – version WPT/OW;

without height-meter (indicator attached to the weighing platform) - version WPT/O.

Measuring indicator PUE C/31 is standard equipment of this scale.

Personal scales are accompanied by a certificate of conformity with directive EC93/42/EEC issued by notify body TUV Rheinland.

Model	M	Max	d = e	Prodajna cena €
WPT 60/150 O	•	60/150 kg	20/50 g	
WPT 60/150 OW	•	60/150 kg	20/50 g	
WPT 100/200 O	•	100/200 kg	50/100 g	
WPT 100/200 OW	•	100/200 kg	50/100 g	704

Baby scales for medical application
(PUE C31 terminal; III class approved; 3.000e)

WPT/D



Counting pieces



Checkweighing



Percentage



Summing



Peak hold



Internal accumulator

Scales WPT 15DC and WPT 20DC are precise electronic weighing equipment manufactured in class III and designed for weighing infants. The weighing pan is made of Owispol polystyrene and the display is in backlit LCD version. Each scale is powered by mains (230V/10,5V AC). The indicator has also container for batteries (6xR6 - an alternative Power source for the scale).

Measuring indicator PUE C/31 is standard equipment of this scale.

Baby scales are accompanied by a certificate of conformity with directive EC93/42/EEC issued by notify body TUV Rheinland.

Model	M	Max	d = e	Prodajna cena €
WPT 6/15 D	•	6/15 kg	2/5 g	
WPT 10/20 D	•	10/20 kg	5/10 g	

Chair scales for medical application (PUE C31 terminal; III class approved; 3.000e)

WPT/4K



Counting pieces



Checkweighing



Percentage



Summing



Peak hold



Internal accumulator

Chair scales are precise weighing equipment designed for weighing patients in sitting position. Each scale is equipped with wheels for fast and easy transporting a patient. The scale is equipped with backlit LCD display. Power supply either by mains or by batteries, thanks to which the scale can operate no matter of power supply conditions.

Basic functions of chair scales:

- tarring in all measuring range,
- timer switch off,
- changeable dampening of measuring result.

Measuring indicator PUE C/31 is standard equipment of this scale.

Chair scales are accompanied by a certificate of conformity with directive EC93/42/EEC issued by notify body TUV Rheinland.

Model	M	Max	d = e	Prodajna cena €
WPT/4K/150C	•	150 kg	100 g	

Bed scales for medical application
(PUE C31 terminal; III class approved; 2.500e)

WPT/4B



Counting pieces



Checkweighing



Percentage



Summing



Peak hold



Internal accumulator

Bed scales series WPT/4B are precise weighing instruments verified in class III, and designed for weighing patients who lie on bed. Four weighing modules connected with cables allow for placing the scale under optional size of bed. Lifting the bed is very simple with a jack specially designed for this purpose (it is designed for wheels size between 100 and 200 mm).

Scales series WPT/4B 500 C are equipped with measuring indicator series PUE C31 with backlit LCD display.

Standard power supply of the scale is mains 230V AC/11V AC.

Additionally, the scale is powered from rechargeable batteries NiMH (6×AA).

RS 232 output is standard scale equipment.

Scale is transported on a trolley, which is simultaneously a stand for the scale display.

Bed scales are accompanied by a certificate of conformity with directive EC93/42/EEC issued by notify body TUV Rheinland.

Model	M	Max	d = e	Prodajna cena €
WPT/4B/500C	•	500 kg	200 g	

Ramps bed scales for medical application

(PUE C31 terminal; III class approved; 3.000e)

WPT/8B



Counting pieces



Checkweighing



Percentage



Summing



Peak hold



Internal accumulator

Scale designed to weigh patients in lying position. The construction of bed scales allows for application of this weighing equipment for various types of beds and braking systems. Long beams allow for measuring bed's mass no matter of place on which the bed is positioned on the beam. Adjustable distance between the beams (up to 2,5 meters) is appropriate for different kinds of beds.

The scale is equipped with backlit LCD display, powered either by mains or by batteries.

Bed scales have application of most recent technologies for load cells, and thus the scales can be characterized for:

- light construction (single beam mass is approximately 8 kg);
- ease in transportation,
- easy running onto the beam (beam height: approximately 18 mm).

Measuring indicator PUE C/31 is standard equipment of this scale.

Bed scales are accompanied by a certificate of conformity with directive EC93/42/EEC issued by notify body TUV Rheinland.

Model	M	Max	d = e	Prodajna cena€
WPT/8B 300C	•	300 kg	100 g	

Scales for control of packaged goods (II class approved)

PS.3Y.KTP



Counting
pieces



Checkweighing



Percentage



Summing



Under-hook
weighing



Scales series PS.3Y.KTP are equipped with implemented module for realization of prepacked goods control process. The process is designed on data bases with list of assortments and operators. A control process that is initiated from scale level is completed automatically on check of pre-defined quantity of packages (samples). The quantity of packages is determined by scale software and it depends on batch quantity of a good. Scales are equipped with graphic display (5,7" touch screen) which indicates data on currently performed action (control) and its result.

PS.3Y.KTP balance can operate in a network multi-stand workstation – PC software KTP-NET.

Scales are working with: barcode scanner; label printers; RFID readers; flash memory USB.

Model	M	Max	d = e	Pan size	Prodajna cena €
PS 750.3Y.KTP	•	750 g	0,01 g	128×128 mm	
PS 1500.3Y.KTP	•	1500 g	0,1 g	195×195 mm	
PS 2500.3Y.KTP	•	2500 g	0,1 g	195×195 mm	
PS 4500.3Y.KTP	•	4500 g	0,1 g	195×195 mm	

Scales for control of packaged goods – dual range (PUE 7 terminal; II class approved; 2x6.000e)

WLY/KTP



WLY/KTP/D

WLY/KTP/R

WLY/KTP/K



- Infrared proximity sensors



- Colorful touch-screen panel 5,7"



- Data exchange through USB storage devices



- Communication interfaces:
Ethernet, USB (2 ports), RS232

Single or multi-station version!



Counting pieces



Filling



Animal weighing



Density determination



Checkweighing



Percentage



Statistics



Formulation



Under-hook weighing



GLP procedures



Infrared sensors

Counting scales of WLY are the response for growing market demands for simple operation and maximum automation of weighing process. Scales feature 5.7" colour touch screen panel. The new software ensures unrivalled convenience of use. Scales are working with: barcode scanner; label printers; RFID readers; PC equipment (keyboard; mouse; flash memory USB).

Model	M	Max	d = e	Pan size	Prodajna cena €
WLY 0,6/1,2 /KTP/D2	•	0,6/1,2 kg	0,1/0,2 g	195×195 mm	
WLY 1,2/3 /KTP /D2	•	1,2/3 kg	0,2/0,5 g	195×195 mm	
WLY 3/6 /KTP /D2	•	3/6 kg	0,5/1 g	195×195 mm	
WLY 6/12 /KTP /D2	•	6/12 kg	1/2 g	195×195 mm	
WLY 6/12 /KTP /C1/R	•	6/12 kg	1/2 g	360×290 mm	
WLY 6/12 /KTP /C1/K	•	6/12 kg	1/2 g	360×290 mm	
WLY 12/30 /KTP /C1/R	•	12/30 kg	2/5 g	360×290 mm	
WLY 12/30 /KTP /C1/K	•	12/30 kg	2/5 g	360×290 mm	
WLY 60/120 /KTP /C2/R	•	60/120 kg	10/20 g	500×400 mm	
WLY 60/120 /KTP /C2/K	•	60/120 kg	10/20 g	500×400 mm	

Scales for control of packaged goods (PUE 7 terminal; III class approved; 2x3.000e)

WPY/KTP



WPY/KTP/D

WPY/KTP/R

WPY/KTP/K



- Infrared proximity sensors



- Colorful touch-screen panel 5,7"



- Data exchange through USB storage devices



- Communication interfaces:
Ethernet, USB (2 ports), RS232

Single or multi-station version!



Counting pieces



Filling



Animal weighing



Density determination



Checkweighing



Percentage



Statistics



Formulation



Under-hook weighing



GLP procedures



Infrared sensors

Sales Series WLY feature Pre-packed Good Control module, based on a database of products and operators. Control initialized automatically from the scale is automatically finalized after verifying appropriate number of packages (samples). The quantity of samples is determined by the software of the scale, depending on the product batch size. 5.7" touch screen is a major advantage allowing to present information on the current control and the result with unrivalled clarity and reliability.

Model	M	Max	d = e	Pan size	Prodajna cena €
WPY 0,6/1,5/KTP/D2	•	0,6/1,5 kg	0,2/0,5 g	195×195 mm	
WPY 1,5/3/KTP/D2	•	1,5/3 kg	0,5/1 g	195×195 mm	
WPY 3/6/KTP/D2	•	3/6 kg	1/2 g	195×195 mm	
WPY 3/6/KTP/C1/R	•	3/6 kg	1/2 g	360×290 mm	
WPY 3/6/KTP/C1/K	•	3/6 kg	1/2 g	360×290 mm	
WPY 6/15/KTP/C1/R	•	6/15 kg	2/5 g	360×290 mm	
WPY 6/15/KTP/C1/K	•	6/15 kg	2/5 g	360×290 mm	
WPY 15/30/KTP/C1/R	•	15/30 kg	5/10 g	360×290 mm	
WPY 15/30/KTP/C1/K	•	15/30 kg	5/10 g	360×290 mm	
WPY 30/60/KTP/C1/R	•	30/60 kg	10/20 g	360×290 mm	
WPY 30/60/KTP/C1/K	•	30/60 kg	10/20 g	360×290 mm	
WPY 15/30/KTP/C2/R	•	15/30 kg	5/10 g	400×500 mm	
WPY 15/30/KTP/C2/K	•	15/30 kg	5/10 g	400×500 mm	

Scales for control of packaged goods (HY terminal; stainless steel; III class approved; 2x3.000e)

HTY/KTP



Single or multi-station version!

Scales series Y/KTP for Prepacked Goods Control in single stand version

Scales series Y/KTP have implemented module for Prepacked Goods Control designed with application of a database of assortments and operators. Control started by scale is automatically stopped after suitable packages (samples) number has been controlled. Number of the packages is fixed by scale program depending on product lot size. Scales are also equipped with graphic display (5,7" touch panel), on which information concerning currently performed control and its result are presented .

Control cycle proceeds as follows :

- operator choice,
- product choice,
- control start,
- weighings loading,
- automatic control end on weighing pre-defined number of packages,
- control report print .

Each carried out control is ended with final report containing all data required by a prepacked goods control process. The report is automatically saved in scale memory and at the same time it can be printed by printer connected to scale .

Software of Y/KTP scales for PGC in single stand version is supported by computer application "Viewer KTP". It is used to monitor and/or print reports from processed prepacked goods controls and reports from processed controls of packages tares.

	Counting pieces
	Filling
	Animal weighing
	Density determination
	Checkweighing
	Percentage
	Statistics
	Formulation
	Under-hook weighing
	GLP procedures
	Infrared sensors

Model	M	Max	d = e	Pan size	Prodajna cena €
HTY 1,5/3 /KTP/H1	•	1,5/3 kg	0,5/1 g	150x200 mm	
HTY 3/6 /KTP/H1	•	3/6 kg	1/2 g	150x200 mm	
HTY 3/6 /KTP/H2	•	3/6 kg	1/2 g	250x300 mm	
HTY 6/15 /KTP/H2	•	6/15 kg	2/5 g	250x300 mm	
HTY 6/15 /KTP/H3	•	6/15 kg	2/5 g	360x290 mm	
HTY 15/30 /KTP/H3	•	15/30 kg	5/10 g	360x290 mm	
HTY 30/60 /KTP/H3	•	30/60 kg	10/20 g	360x290 mm	



PUE C/31



PUE C/31 H



Counting pieces



Checkweighing



Percentage



Animal weighing



Summing



Peak hold

LCD backlit display, micro switch keyboard with 5 buttons, maximal quantity of verifying units: 6000 e, maximal quantity of countings from A/C converter: 8 000 000, multi range: (1 or 2 ranges), interface RS232, plastic or stainless steel casing depending on version. Also available in EX version for use in explosive zones. IP rating: IP 67 (stainless steel version).

PUE C/31H - power supply cable built in SLA battery

PUE C/31H - detachable adapter for charging battery in SLA battery

Model	Casing	IP	Working time on accumulator	Prodajna cena €
PUE C/31	ABS plastic	IP 43	45 hours	
PUE C/31 H	stainless steel	IP 67	45 hours	
PUE C/31 H/Z	stainless steel	IP 67	45 hours	
Extra charge for add display port (for model PUE C/31)				



	Counting pieces
	Checkweighing
	Percentage
	Summing
	Peak hold

Large LCD backlit display, membrane keyboard with 26 buttons, maximal quantity of verifying units: 6000 e, maximal quantity of countings from A/C converter: 8 000 000, , optoinsulated interface RS232 and RS485, stainless steel casing, data bases (4 MB memory), 3 optoinsulated inputs and 3 optoinsulated outputs. IP rating: IP 66/67.

Model	Prodajna cena €
PUE C41 H (standard version, no additional module)	
- Module of analog outputs AN (0-10V or 0-20mA or 4-20mA)	
- Module of relay outputs PK1 (4 outputs)	
- Additional weighing platform module DP1	
- Module 4IN/4OUT	
- Module 8IN/8OUT	
- Module RS 1D (additional RS485)	
- Module Ethernet ET 1G (output with socket)	
- Module Ethernet ET 1D (cable with length approximately 3 meters let out though a choke)	



PUE 5


PUE 5.15


PUE 5.19



-  Counting pieces

-  Checkweighing

-  Percentag

-  Summing

-  Peak hold

Cutting edge terminals PUE 5.15 and PUE 5.19 series are continuation of a well establish model line PUE 5 and the offer far greater application possibilities comprised in two solutions:

- PUE 5.15 (featuring a panoramic 15,6" touch screen display operating with resolution 1366 x 768 pixels);
- PUE 5.19 (featuring a 19" touch screen display operating with resolution 1280 x 1024 pixels).

The terminals are intended for designing scales with maximum resolution of 6000 e. PUE 5.15 and PUE 5.19 series, similarly to the basing model, are enclosed in a stainless steel housing which allows for reaching the highest IP rating, i.e. IP 67.

The terminals are powered by mains 100 ÷ 240 V AC, 50÷60 Hz.

The terminals come standard with interfaces: 2 x RS232, 1 x RS485, 1 x Ethernet, 3 x USB 2.0.

PUE 5.15 and PUE 5.19 series can be extended by additional 3 weighing modules for simultaneous operation of maximum 4 weighing platforms.

Model	Prodajna cena €
PUE 5 (include software TERMINAL E2R WEIGHING RECORDS)	
PUE 5.15 (include software TERMINAL E2R WEIGHING RECORDS)	
PUE 5.19 (include software TERMINAL E2R WEIGHING RECORDS)	
- Extra charge for software (TERMINAL E2R TRANSACTIONS)	brezplačno
- Extra charge for software (TERMINAL E2R FORLMULAS)	brezplačno
- Module 8IN/8OUT	
- Additional weighing platform module MW-02	
- Profibus module DP-V1	
- Module of analog outputs AN (0-10V or 0-20mA or 4-20mA)	
USB adapter PT0084 (cable RS – USB)	



PUE 7P



PUE 7



- Infrared proximity sensors



- Data exchange through USB storage devices



- Communication interfaces: Ethernet, USB (2 ports), RS232, 4 in/4out



Counting pieces



Filling



Animal weighing



Density determination



Checkweighing



Percentage



Statistics



Formulation



GLP procedure



Infrared sensors

PUE 7 weighing indicator is intended for building industrial scales. It can be enclosed in a plastic or stainless steel housing for rack installations. It is equipped with a 5.7" colour graphic display with touch panel and membrane keypad. It also features two proximity detectors with programmable functions.

The indicator (PUE 7) supports max 2 weighing platforms

The indicator (PUE 7P) supports max 4 weighing platforms.

* Standard version supports one platform,

* Additional charge for second platform module - 80 EUR

As regards peripherals, following devices can be connected:

- barcode scanners,
- receipt and label printers,
- transponder card readers and typical PC equipment (keyboard, mouse etc.).

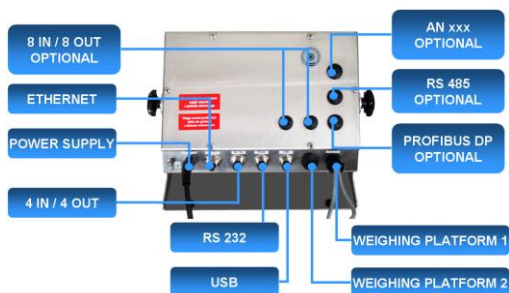
Software:

- standard,
- counting pieces with labelling,
- dosage with recipes,
- KTP (CPG) for pre-packages.

Model	Casing	Power supply	Prodajna cena €
PUE 7	plastic	120+230VAC; 10+15VDC	
PUE 7P (panel version)	stainless steel	10+15VDC	
- DP-2 Module			
- Additional display model WD-4/4			
- Large size additional display, model WWG-2			
- RADWAG power loop module 4-20mA AP2-1			
- Transponder card scanner CK-01			
- Bar code scanner LS2208			



* approved from March 2011



Windows CE
TFT screen 5,7'
Touch Panel

-  Counting pieces
-  Filling
-  Animal weighing
-  Density determination
-  Checkweighing
-  Percentage
-  Statistics
-  Formulation
-  GLP procedure

HY weighing indicator is intended for building industrial scales. Stainless steel housing for rack installations., with IP67. It is equipped with a 5.7" colour graphic display with touch panel and membrane keypad – full qwerty. The indicator (HY) supports max 4 weighing platforms.

- * Standard version supports one platform,
- * Additional charge for second platform module - 80 EUR

As regards peripherals, following devices can be connected:

- barcode scanners,
- receipt and label printers,
- transponder card readers and typical PC equipment (keyboard, mouse etc.).

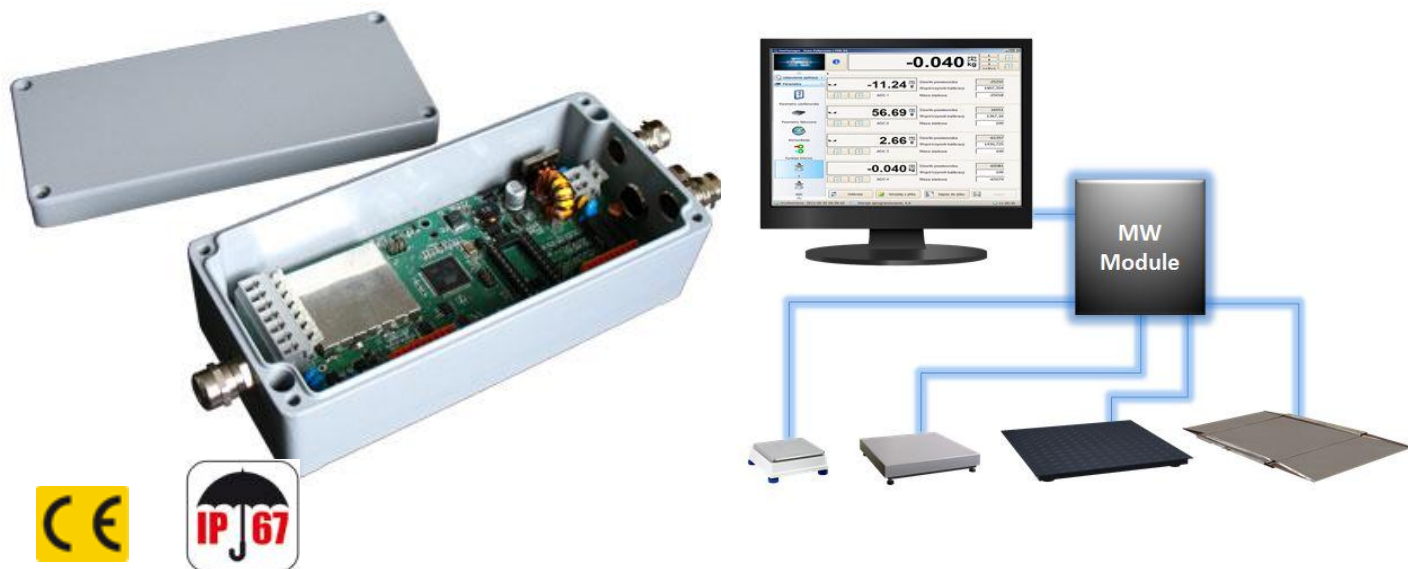
Software:

- standard,
- counting pieces with labelling,
- dosage with recipes,
- KTP (CPG) for pre-packages.

Communication interfaces:

- Standard: Ethernet; USB (2 ports); RS232 x 2; 4IN / 4OUT
- Additional: ProfiBus; CanBus; + 8IN / 8OUT; 4 Relays; Power Loop.

Model	Casing	Power supply	Prodajna cena €
HY	stainless steel	120+230VAC; 10+15VDC	
- DP-2 Module			
- Additional display model WD-4/4			
- Large size additional display, model WWG-2			
- RADWAG power loop module 4-20Ma AP2-1			
- Transponder card scanner CK-01			
- Bar code scanner LS2208			
- ProfiBus DP module			



Weighing module MW-01 is intended for designing industrial, load cell based scales, where weighing platforms are located in significant distance from measuring indicator.

Depending on the needs, communication with the module can be conducted via RS485, RS232, Ethernet, Profibus.

Module MW-01 can cooperate with measuring indicators or a PC. IP rate: 67

Major applications of the weighing module MW-01 / MW-04:

- In weighing systems which may be supervised by master computer system thanks to communication realized via Ethernet interface.
- Option of connecting a higher number of platforms to weighing indicators;
- Application in checkweighers owing to high processing power of up to 1000 measurements per second;
- Application in dosing systems.

Weighing module MW-01 cooperates with the following weighing devices:

- Measuring terminal PUE5;
- Measuring terminal PUE7;
- Measuring terminal HY;
- PC;

Weighing module MW-04 possibilities:

Simultaneous control of mass on 4 weighing platforms.

Model	Casing	Interface	Prodajna cena €
MW-01-1 (for 1 platform)	mild steel	RS 232 / RS 485 / Ethernet	
MW-01-2 (for 1 platform)	mild steel	RS 232 / ProfibusDP / Ethernet	
MW-04 (for 4 platforms)	mild steel	RS 232 / RS 485 / Ethernet	



E2R system is a modular system, performing a complex operation of manufacturing processes related to the various phases of weighing process. Thanks to its modular design, the system is very flexible and can be easily tailored to the profile, characteristics and individual customer requirements.

Dedicated database ensures reliable operation of the system and the possibility of seamless cooperation between various modules. This is particularly important when recording data from the weighings for the continuous production process, where any failure of the weighing system has a direct impact on the ongoing production.

The system is also open to cooperation with many programs supporting HR, accounting and administration departments. The data is stored in a computer database based on MS SQL 2000/2005/2008.



E2R Weighing Records module is successfully employed with keeping weighing records on Radwag scales and weighing systems connected into a network and configured in a computer data base.

It is particularly useful in processes, where weighed goods are not combined directly to each other by data, and they are not involved in a weighing process with determined start and stop point (like transactions or production orders)



Weighing module enables record of weighing processes on indicators with +/- checkweighing function. Such configuration minimalizes operator's activity during weighing process.

Scales operating with E2R weighing module can be monitored in real time, by clicking E2R SyncManager application. It allows for monitoring scale status (on or off), operation status (which operator is logged in, which batch is weighed, to which contractor the production is carried out and which order is currently processed)



E2R Transactions module enables to keep record from weighing processes performed on scales connected into a network. A common feature of such weighing processes is the same transaction data or production order

Data can be imported or exported to peripheral bookkeeping or production management software. E2R Transactions software is based on data bases MS SQL 2000, MS SQL 2005 or MS SQL 2008..

E2R Transactions software has been designed to operate in plants where production process is based on transactions or production orders



E2R Formulas module enables weighing ingredients from a selected formula on one or multiple platforms in accordance with production order

It may operate on one or multiple platforms in accordance with production order (weighing process with one indicator applied). The software provides also the possibility of defining formulas with thresholds configuration for each ingredient and reporting completed production orders. E2R Formulas system is based on data bases MS SQL 2000, MS SQL 2005 or MS SQL 2008.



E2R Reports module is utilized to generate multiple kinds of reports and statistics from weighing processes that are saved in data base of E2R software.

It allows for random configuring of sheets and reports based on data cumulated by E2R System. E2R System data bases are built with application of MS SQL 2000, MS SQL 2005 or MS SQL 2008. Generated reports can be easily exported to peripheral software or directly printed on local or network printer.



The module allows remote control over measurement process performed on multiple Radwag moisture analyzers connected through Ethernet..

The data is stored into MS SQL 2000 or 2005 computer database. Processed data enable generating graphs and reports of weighing processes. It has practical application in laboratories and production plants using RADWAG moisture analyzers for systematic monitoring of production process. This is an indispensable tool in any facility where control, archiving and real-time analysis of drying data is required

E2R System Modules	Prodajna cena €
E2R Weighing Records	
E2R Weighing (includes E2R Reports)	
E2R Transactions (includes E2R Reports)	
E2R Formulas (includes E2R Reports)	
E2R Checkweigher	Vsebuje ob nakupu checkweigher
E2R Moisture Analyzers – single workstation licence	
E2R Moisture Analyzers – multiple workstations licence	

Computer software



CHECKWEIGHER SWD: collecting both the partial weighings and audit reports of prepared prepackaged product from Radwag's checkweighers. The application can handle simultaneously multiple scales while allowing for automatic sorting and saving of weighings taken in separate databases. Allows to generate reports and to export data to text format.

PIPETTES: designed for determination of volume measurement errors of pipettes (batchers) in accordance with the standard ISO 8655. The software supports calibration of constant volume pipettes (single channel) and variable volume pipettes (1, 8, 12 channel). The program contains both the defined database of information on RADWAG pipettes and also allows to define your own models.

PW WIN: The program offers co-operation between a scale and a computer. Cooperation with one of two serial ports with the possibility of selecting transmission parameters, presentation of measurement carried out in form of a column of numbers or a chart, statistics of a series of weighing, export data to other programs (Excel).

FORMULATION: control of dosing ingredients, formulas editor, statistics, data base of ingredients and formulas, formulas with unique code, unlimited number of ingredients. There are two versions of the Formulation software:

- **Rec-FS:** creating formulas for measured mixtures with possibility of declaring the tolerance field for particular ingredient and measuring each ingredient in the receipt.
- **Rec-D:** creating formulas with possibility of declaring the tolerance field and measuring each material in the recipe (the algorithm of measuring is commanded by the software in the weighing terminal).

RAD-KEY: Cooperation scale - computer: replacing the comma into a dot (useful when exporting to Excel), hot key (function key from F1 to F12) triggering readout from the scale, the value to be read as text or numeric value.




KTP-NET: program designed for Quantity Control of Pre-packed Goods (E-marking).

COUNTING PIECES: scale cooperates with a computer (scales sends mass values, which is converted into the number of pieces): parts details, databases of parts





STANDARD MEASUREMENT - SNC: The program of the scale supports the simplest type of communication frame "mass unit" (example: 121.5 g). Communications RS - up to 4 scales, each connected to a separate port. The program offers a very easy to use records of operators and assortment. The program receives weighing from a scale but does not send any queries to the scales. You can also create a simple balance-sheet and use them to generate reports and export data to a text file.

Software	Version	Prodajna cena €
CHECKWEIGHER SWD	Standard	
PIPETTES	Standard	
PW-WIN	Standard	
FORMULATION	REC-FS	
RAD-KEY	Standard	
KTP-NET	1 to 5-stand licence	
KTP-NET	Multistand licence (over 5 scales)	
COUNTING PIECES	LS-FS	
POMIAR STANDARD	SNC	

One load cell platform scales

		Symbol	Max	Platform size	Prodajna cena €
	One load cell platform scales in plastic casing	PL 06/1,5 D2	0,6/1,5 kg	195×195 mm	
		PL 1,5/3 D2	1,5/3 kg	195×195 mm	
		PL 3/6 D2	3/6 kg	195×195 mm	
	One load cell platform scales, mild steel	PLC 6 C1	6 k	290×360 mm	
		PLC 15 C1	15 kg	290×360 mm	
		PLC 30 C1	30 kg	290×360 mm	
		PLC 60 C2	60 kg	400×500 mm	
		PLC 150 C2	150 kg	400×500 mm	
		PLC 300 C2	300 kg	400×500 mm	
		PLC 150 C3	150 kg	500×700 mm	
		PLC 300 C3	300 kg	500×700 mm	
	One load cell platform scales, stainless steel	PL 3 H1	3 kg	150×200 mm	
		PL 6 H2	6 kg	250×300 mm	
		PL 15 H2	15 kg	250×300 mm	
		PL 15 H3	15 kg	410×410 mm	
		PL 30 H3	30 kg	410×410 mm	
		PL 60 H3	60 kg	410×410 mm	
		PL 150 H3	150 kg	410×410 mm	
		PL 60 H4	60 kg	500×500 mm	
		PL 150 H4	150 kg	500×500 mm	
		PL 60 H5	60 kg	600×600 mm	
		PL 150 H5	150 kg	600×600 mm	
		PL 300 H5	300 kg	600×600 mm	
		PL 150 H6	150 kg	800×800 mm	
		PL 300 H6	300 kg	800×800 mm	

4 load cell platform scales

	Symbol	Max	Platform size	Prodajna cena €
 <p>4 load cell platform scales, mild steel</p>	PLC/4 600 C6	600 kg	800×800 mm	
	PLC/4 1500 C7	1500 kg	1000×1000 mm	
	PLC/4 1500 C8	1500 kg	1200×1200 mm	
	PLC/4 3000 C8	3000 kg	1200×1200 mm	
	PLC/4 1500 C8/9	1500 kg	1200×1500 mm	
	PLC/4 3000 C8/9	3000 kg	1200×1500 mm	
	PLC/4 1500 C9	1500 kg	1500×1500 mm	
	PLC/4 3000 C9	3000 kg	1500×1500 mm	
	PLC/4 3000 C10	3000 kg	1500×2000 mm	
	PLC/4 3000 C11	3000 kg	2000×2000 mm	
PLC/4 6000 C11	6000 kg	2000×2000 mm		
 <p>4 load cell platform scales, stainless steel</p>	PL/4 300 H6	300 kg	800×800 mm	
	PL/4 600 H6	600 kg	800×800 mm	
	PL/4 300 H7	300 kg	1000×1000 mm	
	PL/4 600 H7	600 kg	1000×1000 mm	
	PL/4 1500 H7	1500 kg	1000×1000 mm	
	PL/4 1500 H8	1500 kg	1200×1200 mm	
	PL/4 3000 H8	3000 kg	1200×1200 mm	
	PL/4 1500 H8/9	1500 kg	1200×1500 mm	
	PL/4 3000 H8/9	3000 kg	1200×1500 mm	
	PL/4 1500 H9	1500 kg	1500×1500 mm	
	PL/4 3000 H9	3000 kg	1500×1500 mm	
	PL/4 3000 H10	3000 kg	1500×2000 mm	
	PL/4 6000 H10	6000 kg	1500×2000 mm	
 <p>4 load cell platform scales, stainless steel openable platform*</p> <p>* pit frame price included</p>	PL/4 300 H6 Z	300 kg	800×800 mm	
	PL/4 600 H6 Z	600 kg	800×800 mm	
	PL/4 300 H7 Z	300 kg	1000×1000 mm	
	PL/4 600 H7 Z	600 kg	1000×1000 mm	
	PL/4 1500 H7 Z	1500 kg	1000×1000 mm	
	PL/4 1500 H8 Z	1500 kg	1200×1200 mm	
	PL/4 3000 H8 Z	3000 kg	1200×1200 mm	
	PL/4 1500 H8/9 Z	1500 kg	1200×1500 mm	
	PL/4 3000 H8/9 Z	3000 kg	1200×1500 mm	
	PL/4 1500 H9 Z	1500 kg	1500×1500 mm	
	PL/4 3000 H9 Z	3000 kg	1500×1500 mm	
	PL/4 3000 H10 Z	3000 kg	1500×2000 mm	
	PL/4 6000 H10 Z	6000 kg	1500×2000 mm	
 <p>4 load cell platform scales, stainless steel Ramp scales</p>	PL/4N 400 H1	400 kg	840×860 mm	
	PL/4N 400 H2	400 kg	1100×1200 mm	
	PL/4N 800 H2	800 kg	1100×1200 mm	
	PL/4N 1500 H2	1500 kg	1100×1200 mm	
	PL/4N 800 H3	800 kg	1200×1500 mm	
	PL/4N 1500 H3	1500 kg	1200×1500 mm	
	PL/4N 1500 H4	1500 kg	1500×1500 mm	

Additional equipment for industrial scales

Anti-vibration table



An anti vibration table is designed for cooperation with analytical and laboratory balances or control scales. Its construction provides stable operation during precise weighing processes. Working table has a separate basis and a top made in painted MDF technology. The top has an opening for stone plate which is a stabilizing element of the anti vibration table. Table construction is made of mild steel profiles or stainless steel profiles with adjustable feet for height regulation. Anti vibration table dimensions: (LxWxH): 770x650x815 mm. Stone plate dimensions (LxWxH): 410x270x115 mm

Model	Prodajna cena €
SAL/M Anti-vibration table - mild steel construction	
SAL/N Anti-vibration table - stainless steel construction	

LCD Displays



Additional LCD display available in a plastic housing with a stand. It is dedicated for cooperation with scales featuring an indicator series PUE C/31. **The additional display WD-4/1 is available as a factory installed option for new instruments only.**

CAUTION! The additional display WD-4/1 does not cooperate with scales series: WLC 0,6/B1, WLC/R 0,6/B1, WLC 1,2/B1, WLC/R 1,2/B1.



Large size additional display, model WWG-2, is designed as a LCD display for cooperation with RADWAG scales. The display can indicate up to 6 digits each with 4,5 inches in height (11,2cm). The display is equipped with an assembly jig for mounting on table or hanging on wall. WWG-2 additional display can be connected to RADWAG scales equipped with indicators and terminals series PUE C/31H, PUE C41H, TMC, PUE 5, PUE 7.

Model	Prodajna cena €
LCD display in plastic casing WD-4/1	
LCD display in stainless steel casing WD-4/3	
Large-size LCD display 4,5" in stainless steel casing WWG-2	

Roller conveyor



The covers for weighing platforms with roller conveyors. The rollers are made of stainless steel, and they are available in two options: with or without side limiters.

Standard versions:

- Model 1: pan 250×300 mm
- Model 2: pan 410×410 mm
- Model 3: pan 500×500 mm
- Model 4: pan 600×600 mm

Models with bigger dimension available.

RADWAG also offers roller conveying systems. The conveyor segments are made in optional dimensions according to individual agreements with the customer.

Model	Prodajna cena €
Roller conveyor H2 for scales with platform 300×250	
Roller conveyor H3 for scales with platform 410×410	
Roller conveyor H4 for scales with platform 500×500	
Roller conveyor H5 for scales with platform 600×600	

Additional equipment for industrial scales

Power loop output



RADWAG power loop module 4-20mA is designed for conversion of digital form of mass readout into analog one. Power output is a passive module, i.e. requires external power supply 24 VDC on power loop.

The power loop module can reflect on its output mass indication as:

- direct value (no mark recognition)
- only positive values
- value with mark recognition

Compatible with:

- **WLY; PUE7.**
- **WLC; WPT**

Model	Prodajna cena €
Power loop output AP2 plastic cover (for PUE C31)	
Power loop output AP2 stainless steel cover (for PUE C31)	

Converters



The KR-01 converter features automatic detection of data transfer direction. The converter's interfaces RS 232 and RS 485 are galvanically separated. RS 232 conductor is 1,7 meter long and finished with DB9/F slot. RS485 signal is led out through 1 meter long, two-wired conductor. The converter is offered in plastic housing, power adapter is its standard equipment, and it is permanently plugged to the converter by 1,8 meter power cord.

The device is designed to adapt the signals of RS 232 and RS 485 standards to each other. It is easily installed in all balances and scales featuring RS 232 port (DB9/M slot) operating in weighing systems.

Converter KR-04-1 is designed for scales that are not equipped with Ethernet interface. The converter enables scale operation in weighing systems (for instance PGC) based on LAN network.

Converter KR-04-2 (KR-04-3) is designed for scales that are not equipped with Ethernet interface. Converter KR allows for operation of a scale in weighing systems and in LAN network.

It is designed for cooperation with measuring indicator PUE C/31H, PUE C/31H/Z.

Manufacturing options:

- KR-04-2: stainless steel housing, RS 232 cable with hermetic plug, Ethernet cable with gland and RJ45 plug, powered from mains 230V AC;
- KR-04-3: stainless steel housing, RS 232 cable with hermetic plug, hermetic Ethernet socket, powered from mains 230V AC.

Model	Prodajna cena €
Converter RS232 / RS485 - KR-01	
Converter RS232 / Ethernet in plastic casing - KR-04-1	
Converter RS232 / Ethernet in stainless steel casing - KR-04-2	
Converter RS232 / Ethernet in stainless steel casing (hermetic socket) - KR-04-3	

Transponder Card Reader



Transponder card scanner is used for quick identification and logging of operators to weighing system or identification of products from database. It cooperates with 3Y balances series and systems based on terminals series PUE 7.

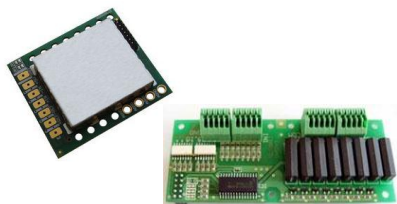
Compatible with:

WLY; PUE7.

Model	Prodajna cena €
Transponder card reader CK-01 (for PUE C41H; PUE5; PUE7)	

Additional equipment for industrial scales

Modules



Model	Prodajna cena €
Module of analog outputs AN (0-10V or 0-20mA or 4-20mA) (for PUE C41H)	
Module of relay outputs PK1 (4 outputs) (for PUE C41H)	
Additional weighing platform module DP1 (for an additional platform for PUE C41H)	
Module 4IN/4OUT (for PUE C41H)	
Module 8IN/8OUT (for PUE C41H)	
Module RS 1D (additional RS485) (for PUE C41H)	
Ethernet module ET 1G (socket) (for PUE C41H)	
Ethernet module ET 1D (cable) (for PUE C41H)	

Barcode scanners



Device used for fast identification of weighed loads, by bar code label placed on the package of the load. It is designed to work with PUE C41H , PUE 5, PUE 7, HY measuring indicators.

Symbol stationary scanners:

- LS2208 – standard

PowerScan stationary scanners:

- D8330 - standard
- D8330AR - increased reading range

PowerScan portable scanners (accumulator):

- M8300 - standard
- M8300D - with display
- M8300AR - increased reading range
- M8300D/AR - with display and increased reading range

Model	Prodajna cena €
LS 2208	
D 8330	
D 8330 AR	
M 8300	
M 8300 D	
M 8300 AR	
M 8300 D/AR	

Additional equipment for industrial scales

Thermal printer Kafka



Thermal printer "KAFKA" enables dual-direction thermal print with moveable head. Sign construction: 8×8 point matrix. Print speed: 0,75 line/sec. quantity of signs per line: 40, 80. Depending on version, the printer can feature a real time clock, statistic functions and internal rechargeable accumulator (for on-site operation). KAFKA printers are connectable to all RADWAG scales equipped with RS232 interface.

Model	Prodajna cena €
Thermal printer Kafka 1/RG	
Thermal printer Kafka 1/RG Portable	
Thermal printer Kafka 1/Z/RG	
Thermal printer Kafka 1/Z/RG Portable	
Thermal printer Kafka SQS	

Label printer CITIZEN



CITIZEN label printer is a thermal printer designed for printing labels. It is connectable to Radwag indicators and terminals series PUE C41H, PUE 7, HY and PUE 5 series.

CITIZEN CL-S400DT

It is a compact thermal printer dedicated to printing labels, receipts and tags. Despite its compact dimensions, the CL-S400DT features the best equipment of industrial printers: metal printing mechanism, built-in power adapter and multiple communication interfaces and accessories. Printer's display is two-coloured and informs on current printer's status, and simplifies device's configuration. The CL-S400DT printer additionally features a serial port and a USB port. Optionally, the printer may feature parallel port, Ethernet and Wireless LAN.

CITIZEN CL-S521

Printer CL-S521 series is an economic and easy in use thermal printer for labels. It provides very good precision, high reliability and excellent printing performance for reasonable price. "Mussel shell" shaped printing mechanism enables exchanging the material by its placing and closing the printing module. Printer components marked with colours simplify its correct use and maintenance, while improved material sensor limits the risk of its accidental displacement. The CL-S521 features a built-in power adapter, therefore there is no thread of accidental unplugging of the device. The CL-S521 printer comes standard with a serial port and a USB port. Optionally, the printer may feature parallel port, Ethernet and Wireless LAN.

CITIZEN CL-S621, CL-S631

Printer CL-S621 series features a modern design and high-end technical specification. It is one of the smallest thermal-transfer printer, offering multiple options for reasonable price. The CL-S621 combines reliability, printing precision, high performance and simplicity of use. The CL-S621 features metal printing module, ensuring very good operating parameters and reliability. Printer components marked with colours simplify its correct use and maintenance, while improved material sensor limits the risk of its accidental displacement. The printer features a built-in power adapter, therefore there is no thread of accidental unplugging of the device. The printer allows using inked ribbons with external or internal beam, and beam's length up to 360 meter with internal diameter 1 inch. A special system used in the printer prevents from ribbon creasing while printing.

CITIZEN CL-S700

CL-S700 is a series of industrial printers for printing labels 118 mm in width and resolution 203 or 300 dpi. Printer's robust housing makes it immune to external mechanical factors, thus making the printer perfectly suited in harsh industrial operating conditions. The CL-S700 features an innovative design, which enables very simple exchange of operating components. In this solution, the printing module can be tilted by 90°. A special system used in the printer prevents from ribbon creasing while printing. The CL-S700 can optionally feature an automatic cutter and label's separator aiding their application process.

Additional equipment for industrial scales

CITIZEN CL-S700R

The CL-S700R features an innovative design, where the housing is lifted upwards, therefore the opened printer requires compact area. Access to all printer's functions is provided from its front panel: power-up, operation of menu, and also fitting a roller with material and inked ribbon. The printer comes standard with a peeler and internal rewinder of the material base of printed labels. The flap of the rewinder, as other options of this printer model, is opened to the front. Large LCD graphic panel displays current printer's status and simplifies device's configuration. The CL-S700R features a robust metal housing protecting the printer's components and installed labels against dirt and damage.

Model	Prodajna cena €
Label printer Citizen CL-S 400DT	
Label printer Citizen CL-S 521	
Label printer Citizen CL-S 621	
Label printer Citizen CL-S 631	
Label printer Citizen CL-S 700	
Label printer Citizen CL-S 700R	

Dot-Matrix printer EPSON



ESPON impact printers (dot-matrix), also known as receipt printers, are applicable for printing on paper 58, 70 or 76 mm in width. They are designed for printing receipt in cooperation with weighing systems (counting and labelling systems). Epson impact printers are connectable to all RADWAG scales equipped with RS232 interface.

Model	Prodajna cena €
Needle printer Epson TM-U220A	
Needle printer Epson TM-U220B	
Needle printer Epson TM-U220D	

RS 232 Cable



Model	Prodajna cena €
RS 232 cable P0108 (scale - computer)	
RS 232 cable P0020 or P0259 or P0165 (scale - computer)	
RS 232 cable P0136 (scale - Kafka printer)	
RS 232 cable P0018 or P0166 or P0253 (scale - Kafka printer)	
RS 232 cable P0151 (scale - Epson or Citizen printer)	
RS 232 cable P019 or P0171 or 0261 (scale - Epson or Citizen printer)	
RS 232 cable P0198 (scale - Ethernet)	

Additional equipment for industrial scales

Car Lighter



Cable for plugging to car lighter 12V.

Compatible with:

WLY; PUE7 series.

WLC; WTB series.

Model	Prodajna cena €
Cable for plugging to car lighter socket 12V K0042 (for PUE C31H/Z)	
Cable for plugging to car lighter socket 12V K0047 (for PUE C31)	

Wall Mounting Kit



Wall mounting kit model PUE-7-32 is designed for easy mounting of the PUE 7 indicator on wall. The kit can be mounted in two ways, depending on expected angle of tilt of the indicator display.

Compatible with:

WLY; PUE7.

Model	Prodajna cena €
Wall Mounting Kit Model PUE-7-32	

Holder for indicator



The holder is designed for an indicator on a cable. It enables fitting the indicator to a table or mounting it on a wall. The holder is manufactured in mild steel technology.

Compatible with:

PUE C/31.

Model	Prodajna cena €
Holder for measuring indicator PUE C/31	

Holder for indicator



A stand, based on a tripod for supporting scale's indicator installed on a cable. Mild steel or stainless steel version available.

Compatible with:

PUE C/31, PUE C/31H

Model	Prodajna cena €
Stand for measuring indicator PUE C/31 H - mild steel version	
Stand for measuring indicator PUE C/31 H stainless steel version	

Additional equipment for industrial scales

Anti-dust case



Dust-free cabinet is applicable as protection to printers series Epson and Citizen models CLP 521 and CLP 621.

It is used in cases, where a printer is operating in heavily dusted areas. Such airtight shield protects a printer against defects, and allows for operation in not adapted places.

**Compatible with:
CITIZEN Printers, EPSON Printers.**

Model	€
Anti-dust case for Epson and Citizen printers	