



PRODUCT CATALOGUE 2022





HRP High Resolution Scales

[d] down to 0.02 g
[Max] up to 2 000 kg

High Maximum Capacity and Accuracy in a Single Device

On the large weighing pan of an HRP scale, you can weigh a load of 150 kg with a readability of 1 g and impressive repeatability.

Fast and Stable

The scale displays the final result even in one second.



Parameter Stability Over Time and After Transport

Retain the correct metrological parameters even after prolonged, intensive use and transport of the scale due to its resistant and robust mechanical design.

Maximum Robustness

- Platforms with IP 67,
- Additional sealing elements protect against dust, dirt, and moisture,
- Can be cleaned with a pressure washer.

Weighing Pan Dimensions Adapted to the Accuracy of the Balance

Weigh with the highest readability of 0.02 g on the 360 x 280 mm weighing pan and with a readability of 20 g on the 1,250 x 1,000 mm weighing pan.

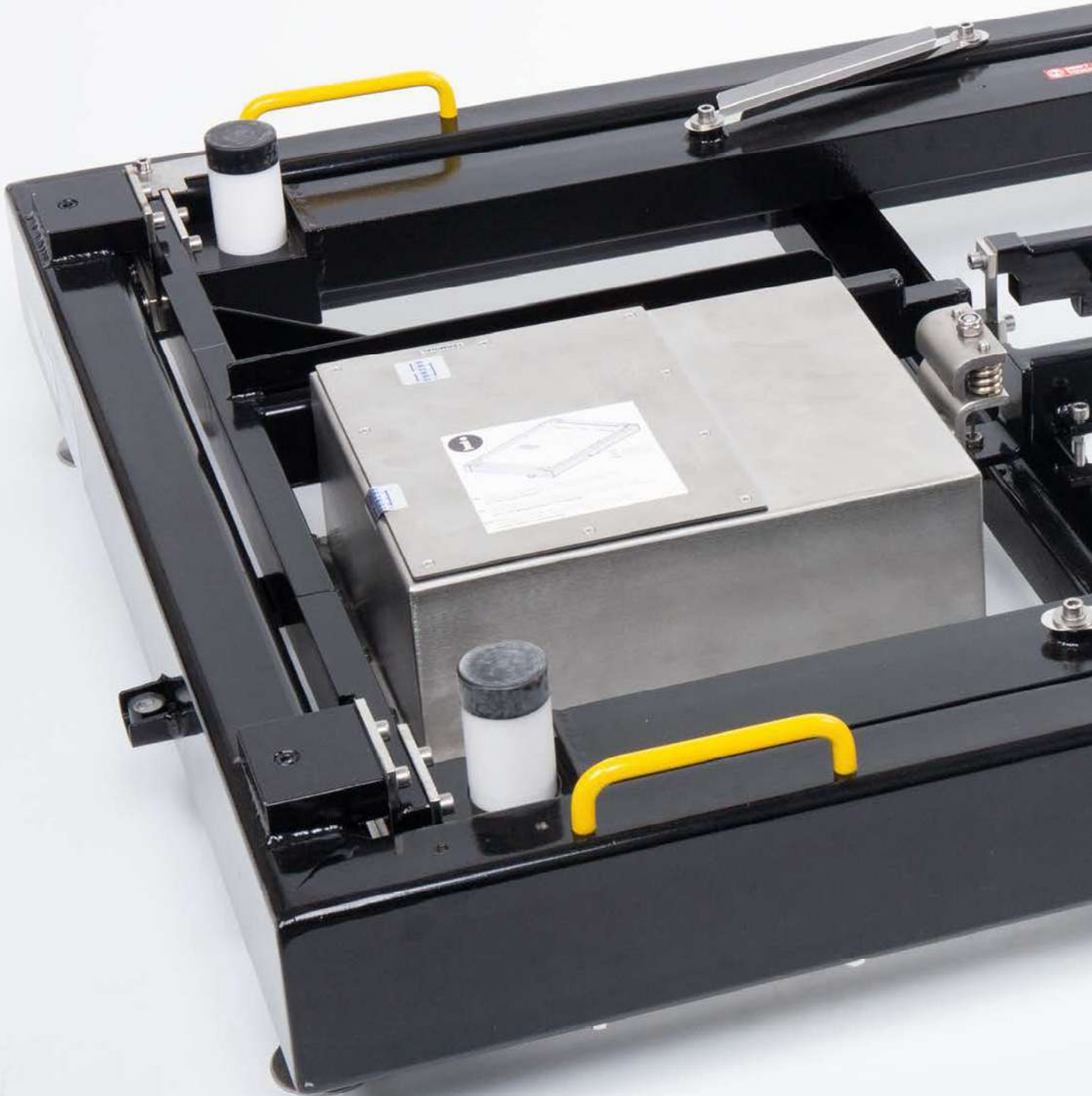


Minimum Eccentricity Error Over the Entire Range

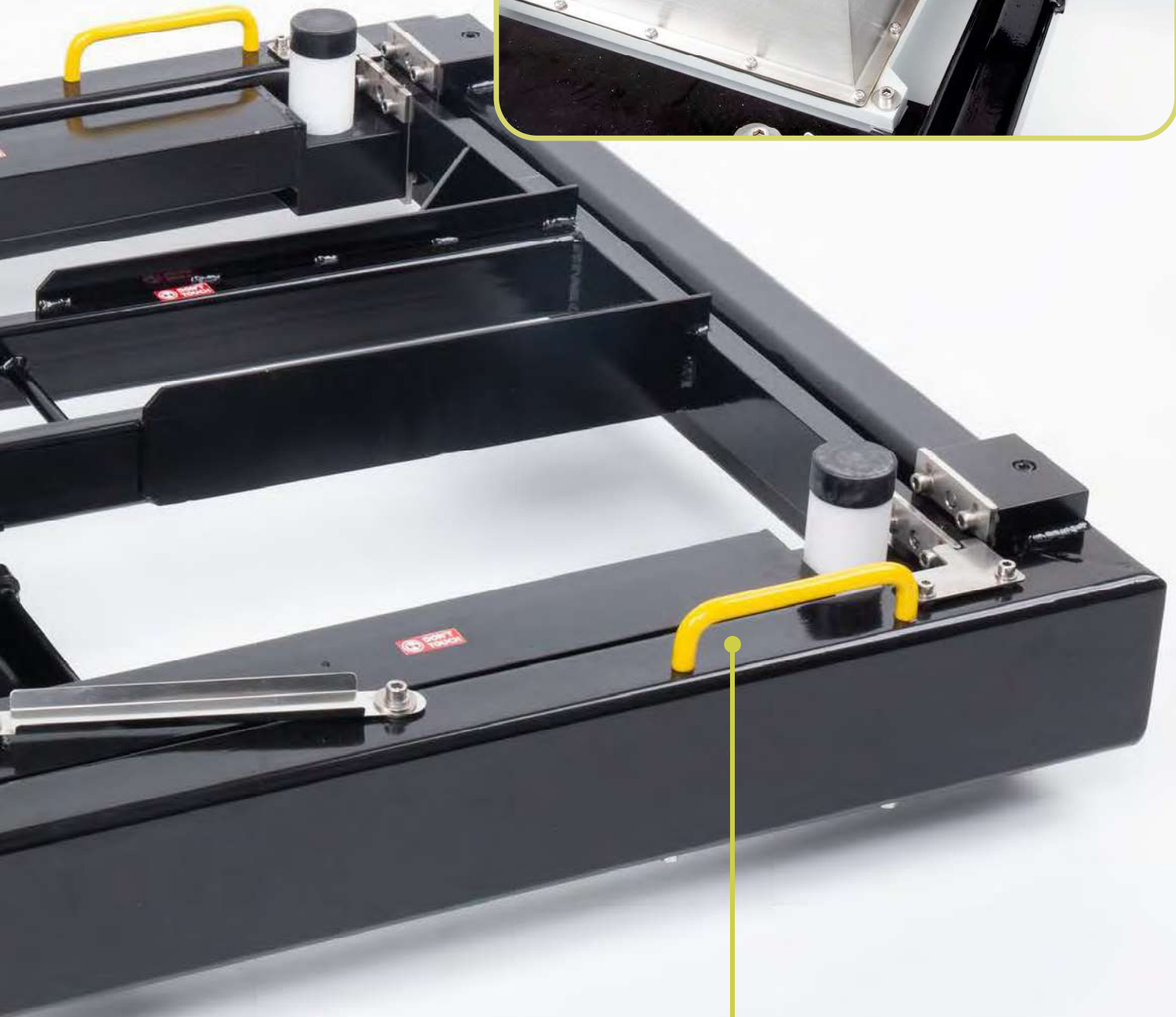
On the HRP scales, you can also weigh irregularly shaped items with a centre of gravity significantly displaced from the weighing pan axis.

New HRP Platform

- Readability of 0.01 g at 10 kg maximum capacity and 0,2 g at 120 kg maximum capacity,
- Repeatability down to 0.01 g,
- Higher resistance to changes in ambient conditions.
- The platforms are so robust that they can be cleaned with a pressure washer,
- Transport protection that stiffens the structure during transport, eliminating any unwanted stresses,
- Platforms of IP 67.



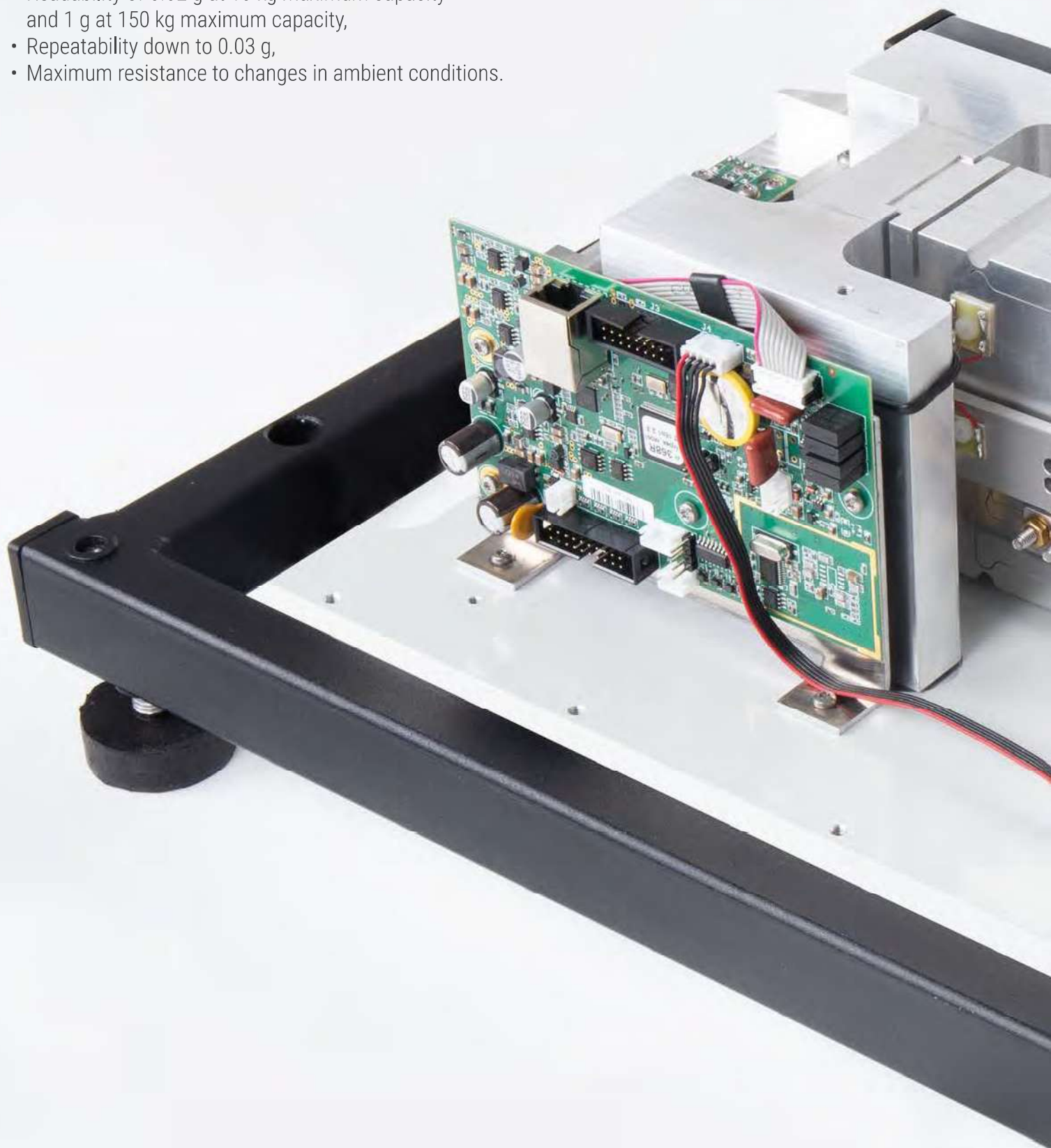
Measuring system based
on  MONOBLOCK® technology



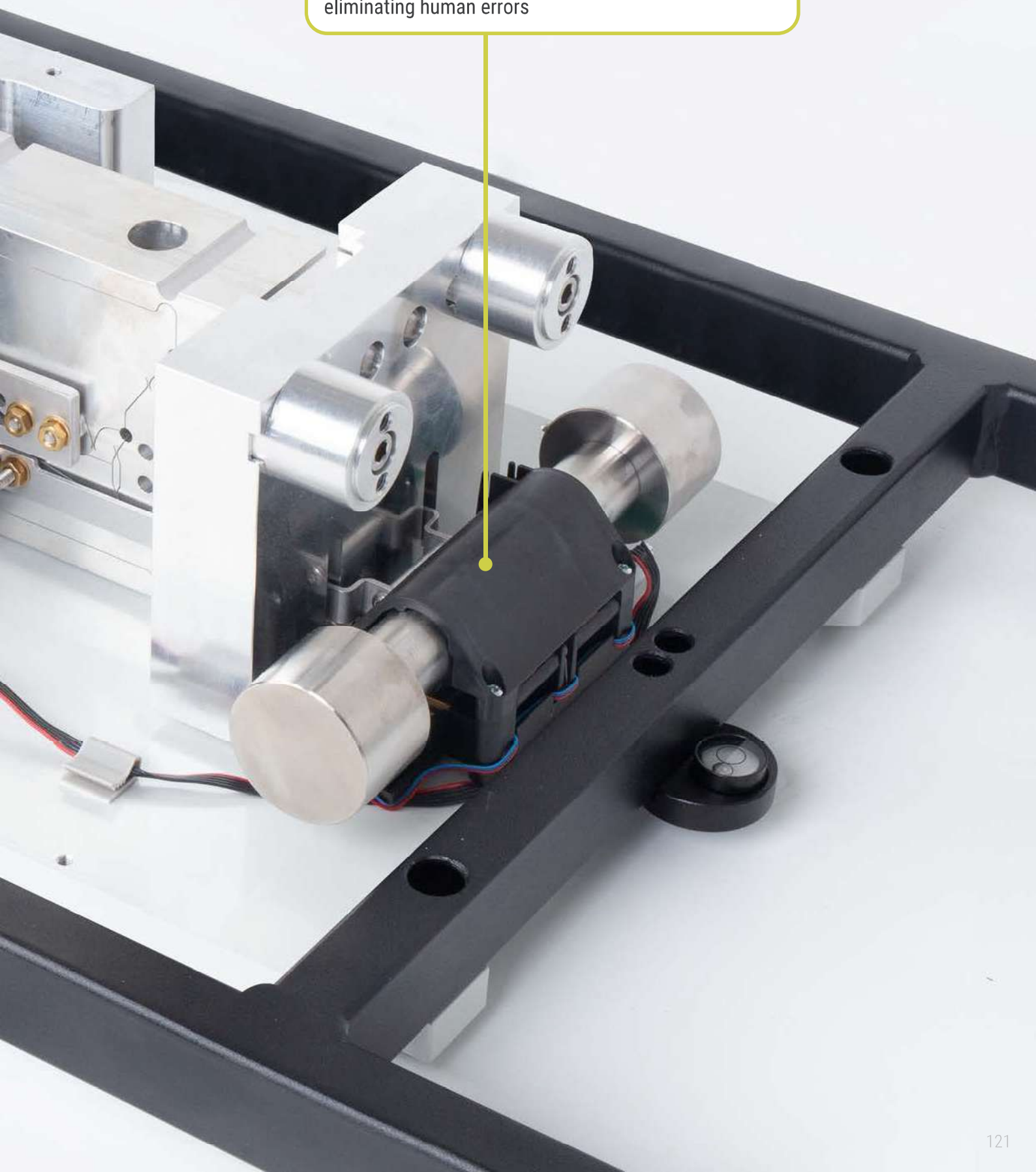
Platforms with a maximum capacity starting at 300 kg include transport handles, which makes them easy to move.

New, Improved MONOBLOCK®

- Readability of 0.02 g at 10 kg maximum capacity and 1 g at 150 kg maximum capacity,
- Repeatability down to 0.03 g,
- Maximum resistance to changes in ambient conditions.



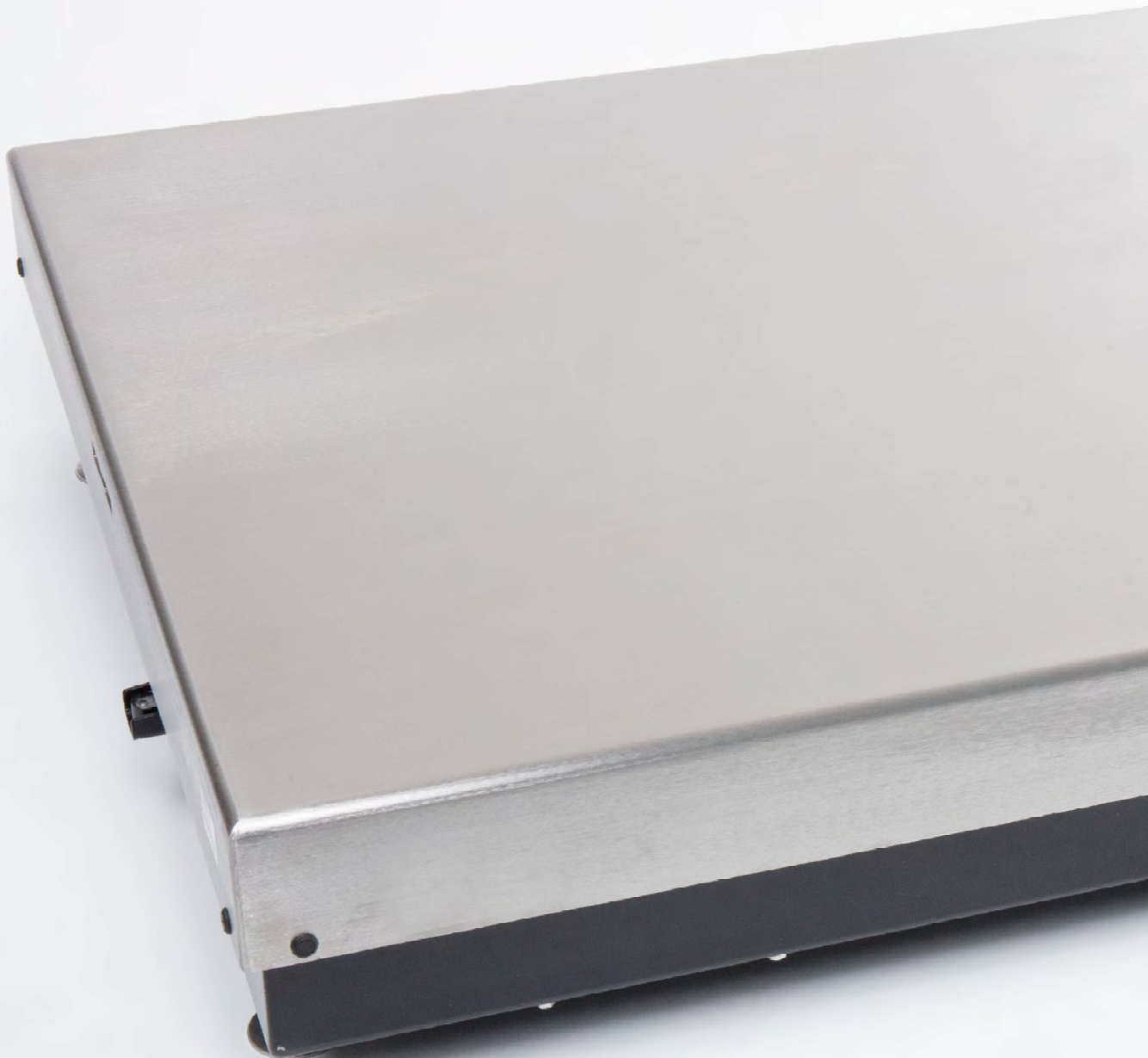
The adjustment is carried out using an **internal** weight, eliminating human errors

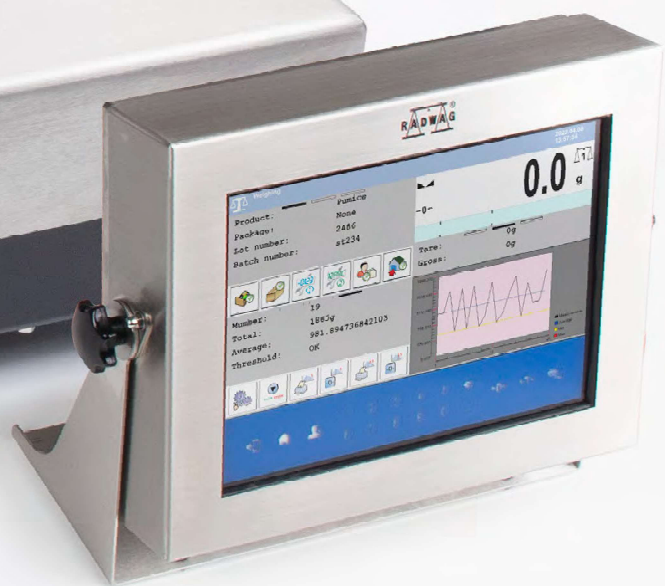


High Resolution Scales HY10.HRP

The PUE HY10 terminal features:

- 10.1", graphic, colour display,
- touch-sensitive keypad,
- stainless steel housing,
- IP 68/69,
- communication interfaces such as: RS 232 (2), USB (2), Ethernet, IN/OUT (4),
- optional extra modules such as: Wi-Fi, RS 485, Profibus, Profinet, analog output module, IN/OUT (12).





High Resolution Scales PUE 7.1.HRP

The PUE 7.1 terminal features:

- 5.7", resistive, colour display,
- touch-sensitive keypad,
- ABS plastic housing,
- IP 43,
- communication interfaces such as: RS 232 (2), USB-A (2), Ethernet, IN/OUT (4), Wi-Fi,
- optional extra modules such as: module of an additional A/D DP6 converter.





Technical Specification

HY10 Terminal

Weighing Pan Dimensions - 360×280 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-330-0036	HY10.10.HRP	10 kg	0.02 g	0.03 g
WP-330-0010	HY10.16.HRP	16 kg	0.1 g	0.1 g
WP-330-0033	HY10.16.HRPM2.1	16 kg	0.1 g	0.1 g
WP-330-0034	HY10.16.HRPM2.2	16 kg	1 g	0.3 g
WP-330-1009	HY10.16.HRPM3	5 / 10 / 16 kg	0.5 / 1 / 2 g	0.15 / 0.3 / 0.6 g
WP-330-0009	HY10.32.HRP	32 kg	0.1 g	0.1 g
WP-330-0015	HY10.32.HRPM2.1	32 kg	0.1 g	0.1 g
WP-330-0016	HY10.32.HRPM2.2	32 kg	2 g	0.6 g
WP-330-1001	HY10.32.HRPM3	10 / 20 / 32 kg	1 / 2 / 5 g	0.3 / 0.6 / 1.5 g
WP-340-0037	HY10.10.HRPH	10 kg	0.02 g	0.03 g
WP-340-0001	HY10.16.HRPH	16 kg	0.1 g	0.1 g
WP-340-0029	HY10.16.HRPH.M2.1	16 kg	0.1 g	0.1 g
WP-340-0030	HY10.16.HRPH.M2.2	16 kg	1 g	0.3 g
WP-340-1010	HY10.16.HRPH.M3	5 / 10 / 16 kg	0.5 / 1 / 2 g	0.15 / 0.3 / 0.6 g
WP-340-0002	HY10.32.HRPH	32 kg	0.1 g	0.1 g
WP-340-0013	HY10.32.HRPH.M2.1	32 kg	0.1 g	0.1 g
WP-340-0014	HY10.32.HRPH.M2.2	32 kg	2 g	0.6 g
WP-340-1001	HY10.32.HRPH.M3	10 / 20 / 32 kg	1 / 2 / 5 g	0.3 / 0.6 / 1.5 g

Weighing Pan Dimensions - 500×400 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-330-0001	HY10.62.HRP	62 kg	0.5 g	0.3 g
WP-330-0017	HY10.62.HRPM2.1	62 kg	1 g	0.3 g
WP-330-0018	HY10.62.HRPM2.2	62 kg	2 g	0.6 g
WP-330-1002	HY10.62.HRPM3	20 / 50 / 62 kg	2 / 5 / 10 g	0.6 / 1.5 / 3 g
WP-330-0007	HY10.120.HRP	120 kg	0.5 g	0.3 g
WP-330-0019	HY10.120.HRPM2.1	120 kg	1 g	0.3 g
WP-330-0020	HY10.120.HRPM2.2	120 kg	2 g	0.6 g
WP-330-1003	HY10.120.HRPM3	50 / 100 / 120 kg	2 / 5 / 10 g	0.6 / 1.5 / 3 g
WP-330-0038	HY10.150.HRP	150 kg	1 g	0.6 g
WP-330-0039	HY10.150.HRPM2.1	150 kg	1 g	0.6 g
WP-330-0040	HY10.150.HRPM2.2	150 kg	5 g	1.5 g
WP-330-1010	HY10.150.HRPM3	50 / 100 / 150 kg	5 / 10 / 20 g	1.5 / 3 / 6 g
WP-340-0003	HY10.62.HRPH	62 kg	0.5 g	0.3 g
WP-340-0015	HY10.62.HRPH.M2.1	62 kg	1 g	0.3 g
WP-340-0016	HY10.62.HRPH.M2.2	62 kg	2 g	0.6 g
WP-340-1002	HY10.62.HRPH.M3	20 / 50 / 62 kg	2 / 5 / 10 g	0.6 / 1.5 / 3 g
WP-340-0009	HY10.120.HRPH	120 kg	0.5 g	0.3 g
WP-340-0017	HY10.120.HRPH.M2.1	120 kg	1 g	0.3 g
WP-340-0018	HY10.120.HRPH.M2.2	120 kg	2 g	0.6 g
WP-340-1003	HY10.120.HRPH.M3	50 / 100 / 120 kg	2 / 5 / 10 g	0.6 / 1.5 / 3 g
WP-340-0042	HY10.150.HRPH	150 kg	1 g	0.6 g
WP-340-0043	HY10.150.HRPH.M2.1	150 kg	1 g	0.6 g
WP-340-0044	HY10.150.HRPH.M2.2	150 kg	5 g	1.5 g
WP-340-1012	HY10.150.HRPH.M3	50 / 100 / 150 kg	5 / 10 / 20 g	1.5 / 3 / 6 g

Weighing Pan Dimensions - 800×600 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-330-0002	HY10.150.1.HRP	150 kg	1 g	1.5 g
WP-330-0021	HY10.150.1.HRP.M2.1	150 kg	1 g	1.5 g
WP-330-0022	HY10.150.1.HRP.M2.2	150 kg	5 g	1.5 g
WP-330-1004	HY10.150.1.HRP.M3	50 / 100 / 150 kg	5 / 10 / 20 g	1.5 / 3 / 6 g
WP-330-0003	HY10.300.HRP	300 kg	1 g	3 g
WP-330-0023	HY10.300.HRP.M2.1	300 kg	1 g	3 g
WP-330-0024	HY10.300.HRP.M2.2	300 kg	20 g	6 g
WP-330-1005	HY10.300.HRP.M3	100 / 200 / 300 kg	10 / 20 / 50 g	3 / 6 / 15 g
WP-340-0004	HY10.150.1.HRP.H	150 kg	1 g	1.5 g
WP-340-0019	HY10.150.1.HRP.H.M2.1	150 kg	1 g	1.5 g
WP-340-0020	HY10.150.1.HRP.H.M2.2	150 kg	5 g	1.5 g
WP-340-1004	HY10.150.1.HRP.H.M3	50 / 100 / 150 kg	5 / 10 / 20 g	1.5 / 3 / 6 g
WP-340-0005	HY10.300.HRP.H	300 kg	1 g	3 g
WP-340-0021	HY10.300.HRP.H.M2.1	300 kg	1 g	3 g
WP-340-0022	HY10.300.HRP.H.M2.2	300 kg	20 g	6 g
WP-340-1005	HY10.300.HRP.H.M3	100 / 200 / 300 kg	10 / 20 / 50 g	3 / 6 / 15 g

Weighing Pan Dimensions - 1000×800 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-330-0004	HY10.300.1.HRP	300 kg	1 g	3 g
WP-330-0025	HY10.300.1.HRP.M2.1	300 kg	1 g	3 g
WP-330-0026	HY10.300.1.HRP.M2.2	300 kg	20 g	6 g
WP-330-1006	HY10.300.1.HRP.M3	100 / 200 / 300 kg	10 / 20 / 50 g	3 / 6 / 15 g
WP-330-0005	HY10.600.HRP	600 kg	5 g	7.5 g
WP-330-0027	HY10.600.HRP.M2.1	600 kg	10 g	7.5 g
WP-330-0028	HY10.600.HRP.M2.2	600 kg	20 g	7.5 g
WP-330-1007	HY10.600.HRP.M3	200 / 500 / 600 kg	20 / 50 / 100 g	7.5 / 15 / 30 g
WP-330-1008	HY10.1100.HRP.M3	200 / 500 / 1000 kg	20 / 50 / 100 g	15 / 15 / 30 g
WP-330-0006	HY10.1100.HRP	1100 kg	10 g	15 g
WP-330-0031	HY10.1100.HRP.M2.1	1100 kg	10 g	15 g
WP-330-0032	HY10.1100.HRP.M2.2	1100 kg	50 g	15 g
WP-340-0006	HY10.300.1.HRP.H	300 kg	1 g	3 g
WP-340-0023	HY10.300.1.HRP.H.M2.1	300 kg	1 g	3 g
WP-340-0024	HY10.300.1.HRP.H.M2.2	300 kg	20 g	6 g
WP-340-1006	HY10.300.1.HRP.H.M3	100 / 200 / 300 kg	10 / 20 / 50 g	3 / 6 / 15 g
WP-340-0007	HY10.600.HRP.H	600 kg	5 g	7.5 g
WP-340-0025	HY10.600.HRP.H.M2.1	600 kg	10 g	7.5 g
WP-340-0026	HY10.600.HRP.H.M2.2	600 kg	20 g	7.5 g
WP-340-1007	HY10.600.HRP.H.M3	200 / 500 / 600 kg	20 / 50 / 100 g	7.5 / 15 / 30 g
WP-340-1009	HY10.1100.HRP.H.M3	200 / 500 / 1000 kg	20 / 50 / 100 g	15 / 15 / 30 g
WP-340-0008	HY10.1100.HRP.H	1100 kg	10 g	15 g
WP-340-0027	HY10.1100.HRP.H.M2.1	1100 kg	10 g	15 g
WP-340-0028	HY10.1100.HRP.H.M2.2	1100 kg	50 g	15 g

Weighing Pan Dimensions - 1250×1000 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-340-0012	HY10.2000.HRP.H	2000 kg	20 g	30 g

Technical Specification

PUE 7.1 Terminal

Weighing Pan Dimensions - 360×280 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-350-0048	PUE 7.1.10.HRP	10 kg	0.02 g	0.03 g
WP-350-0001	PUE 7.1.16.HRP	16 kg	0.1 g	0.1 g
WP-350-0037	PUE 7.1.16.HRP.M2.1	16 kg	0.1 g	0.1 g
WP-350-0038	PUE 7.1.16.HRP.M2.2	16 kg	1 g	0.3 g
WP-350-1009	PUE 7.1.16.HRP.M3	5 / 10 / 16 kg	0.5 / 1 / 2 g	0.15 / 0.3 / 0.6 g
WP-350-0002	PUE 7.1.32.HRP	32 kg	0.1 g	0.1 g
WP-350-0020	PUE 7.1.32.HRP.M2.1	32 kg	0.1 g	0.1 g
WP-350-0021	PUE 7.1.32.HRP.M2.2	32 kg	2 g	0.3 g
WP-350-1001	PUE 7.1.32.HRP.M3	10 / 20 / 32 kg	1 / 2 / 5 g	0.15 / 0.3 / 0.6 g

Weighing Pan Dimensions - 500×400 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-350-0010	PUE 7.1.62.HRP	62 kg	0.5 g	0.3 g
WP-350-0022	PUE 7.1.62.HRP.M2.1	62 kg	1 g	0.3 g
WP-350-0023	PUE 7.1.62.HRP.M2.2	62 kg	2 g	0.6 g
WP-350-1002	PUE 7.1.62.HRP.M3	20 / 50 / 62 kg	2 / 5 / 10 g	0.6 / 1.5 / 3 g
WP-350-0004	PUE 7.1.120.HRP	120 kg	0.5 g	0.3 g
WP-350-0024	PUE 7.1.120.HRP.M2.1	120 kg	1 g	0.3 g
WP-350-0025	PUE 7.1.120.HRP.M2.2	120 kg	2 g	0.6 g
WP-350-1003	PUE 7.1.120.HRP.M3	50 / 100 / 120 kg	2 / 5 / 10 g	0.6 / 1.5 / 3 g
WP-350-0051	PUE 7.1.150.HRP	150 kg	1 g	0.6 g
WP-350-0052	PUE 7.1.150.HRP.M2.1	150 kg	1 g	0.6 g
WP-350-0053	PUE 7.1.150.HRP.M2.2	150 kg	5 g	1.5 g
WP-350-1010	PUE 7.1.150.HRP.M3	50 / 100 / 150 kg	5 / 10 / 20 g	1.5 / 3 / 6 g

Weighing Pan Dimensions - 800×600 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-350-0005	PUE 7.1.150.1.HRP	150 kg	1 g	1.5 g
WP-350-0026	PUE 7.1.150.1.HRP.M2.1	150 kg	1 g	1.5 g
WP-350-0027	PUE 7.1.150.1.HRP.M2.2	150 kg	5 g	1.5 g
WP-350-1004	PUE 7.1.150.1.HRP.M3	50 / 100 / 150 kg	5 / 10 / 20 g	1.5 / 3 / 6 g
WP-350-0006	PUE 7.1.300.HRP	300 kg	1 g	3 g
WP-350-0028	PUE 7.1.300.HRP.M2.1	300 kg	1 g	3 g
WP-350-0029	PUE 7.1.300.HRP.M2.2	300 kg	20 g	6 g
WP-350-1005	PUE 7.1.300.HRP.M3	100 / 200 / 300 kg	10 / 20 / 50 g	3 / 6 / 15 g

Weighing Pan Dimensions - 1000×800 mm



Product Code	Model	Max. capacity	Readability	Repeatability
WP-350-0007	PUE 7.1.300.1.HRP	300 kg	1 g	3 g
WP-350-0030	PUE 7.1.300.1.HRP.M2.1	300 kg	1 g	3 g
WP-350-0031	PUE 7.1.300.1.HRP.M2.2	300 kg	20 g	6 g
WP-350-1006	PUE 7.1.300.1.HRP.M3	100 / 200 / 300 kg	10 / 20 / 50 g	3 / 6 / 15 g
WP-350-0033	PUE 7.1.600.HRP	600 kg	20 g	7.5 g
WP-350-0032	PUE 7.1.600.HRP.M2.1	600 kg	10 g	7.5 g
WP-350-0033	PUE 7.1.600.HRP.M2.2	600 kg	20 g	7.5 g
WP-350-1007	PUE 7.1.600.HRP.M3	200 / 500 / 600 kg	20 / 50 / 100 g	7.5 / 15 / 30 g
WP-350-1008	PUE 7.1.1100.HRP.M3	200 / 500 / 1000 kg	20 / 50 / 100 g	15 / 15 / 30 g
WP-350-0009	PUE 7.1.1100.HRP	1100 kg	10 g	15 g
WP-350-0034	PUE 7.1.1100.HRP.M2.1	1100 kg	10 g	15 g
WP-350-0035	PUE 7.1.1100.HRP.M2.2	1100 kg	50 g	15 g



PRODUCT CATALOGUE

ADVANCED WEIGHING TECHNOLOGIES





Platform Scales

Advanced Weighing Technologies for Industry

Technical Specification

1-Load-Cell Platform Scales

Platform in Plastic Casing



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-1014	PL0.6/1.5/D2	0.6 / 1.5 kg	0.5 g	IP 43	195x195 mm
WX-009-1007	PL1,5/3/D2	1.5 / 3 kg	1 g	IP 43	195x195 mm
WX-009-1002	PL3/6/D2	3 / 6 kg	2 g	IP 43	195x195 mm

Mild Steel Powder Coated Weighing Platforms



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0096	PLC/6/F1	6 kg	2 g	IP 65	300x300mm
WX-009-0097	PLC/15/F1	15 kg	5 g	IP 65	300x300mm
WX-009-0098	PLC/30/F1	30 kg	10 g	IP 65	300x300mm



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0004	PLC/60/C2	60 kg	20 g	IP 65	400x500mm
WX-009-0005	PLC/150/C2	150 kg	50 g	IP 65	400x500mm
WX-009-0006	PLC/300/C2	300 kg	100 g	IP 65	400x500mm
WX-009-0007	PLC/150/C3	150 kg	50 g	IP 65	500x700mm
WX-009-0008	PLC/300/C3	300 kg	100 g	IP 65	500x700mm

Waterproof Stainless Steel Platforms



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0009	PL/3/H1	3 kg	1 g	IP 68	150x200mm
WX-009-0010	PL/6/H2	6 kg	2 g	IP 68	250x300mm
WX-009-0011	PL/15/H2	15 kg	5 g	IP 68	250x300mm
WX-009-0012	PL/15/H3	15 kg	5 g	IP 68	410x410 mm
WX-009-0013	PL/30/H3	30 kg	10 g	IP 68	410x410 mm
WX-009-0014	PL/60/H3	60 kg	20 g	IP 68	410x410 mm
WX-009-0016	PL/60/H4	60 kg	20 g	IP 68	500x500 mm
WX-009-0018	PL/60/H5	60 kg	20 g	IP 68	600x600 mm
WX-009-0020	PL/60/H6	60 kg	20 g	IP 68	800x800 mm
WX-009-0015	PL/150/H3	150 kg	50 g	IP 68	410x410 mm
WX-009-0178	PL/60/H3/5	150 kg	50 g	IP 68	400x600 mm
WX-009-0017	PL/150/H4	150 kg	50 g	IP 68	500x500 mm
WX-009-0019	PL/150/H5	150 kg	50 g	IP 68	600x600 mm
WX-009-0021	PL/150/H6	150 kg	50 g	IP 68	800x800 mm
WX-009-0178	PL/60/H3/5	150 kg	50 g	IP 68	400x600 mm
WX-009-0022	PL/300/H6	300 kg	100 g	IP 68	800x800 mm

Technical Specification

4-Load-Cell Platform Scales

Mild Steel Powder Coated Weighing Platforms



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0023	PLC/4/600/C6	600 kg	200 g	IP 65	800x800 mm
WX-009-0083	PLC/4/600/C7	600 kg	200 g	IP 65	1000x1000 mm
WX-009-0024	PLC/4/1500/C7	1500 kg	500 g	IP 65	1000x1000 mm
WX-009-0025	PLC/4/1500/C8	1500 kg	500 g	IP 65	1200x1200 mm
WX-009-0027	PLC/4/1500/C8/9	1500 kg	500 g	IP 65	1200x1500 mm
WX-009-0029	PLC/4/1500/C9	1500 kg	500 g	IP 65	1500x1500 mm
WX-009-0026	PLC/4/3000/C8	3000 kg	1 kg	IP 65	1200x1200 mm
WX-009-0028	PLC/4/3000/C8/9	3000 kg	1 kg	IP 65	1200x1500 mm
WX-009-0030	PLC/4/3000/C9	3000 kg	1 kg	IP 65	1500x1500 mm
WX-009-0031	PLC/4/3000/C10	3000 kg	1 kg	IP 65	1500x2000 mm
WX-009-0032	PLC/4/3000/C11	3000 kg	1 kg	IP 65	2000x2000 mm
WX-009-1146	PLC/4/6000/C10	6000 kg	2 kg	IP 65	1500x2000 mm
WX-009-0033	PLC/4/6000/C11	6000 kg	2 kg	IP 65	2000x2000 mm

Waterproof Stainless Steel Platforms



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0035	PL/4/300/H6	300 kg	100 g	IP 68	800x800 mm
WX-009-0037	PL/4/300/H7	300 kg	100 g	IP 68	1000x1000 mm
WX-009-0036	PL/4/600/H6	600 kg	200 g	IP 68	800x800 mm
WX-009-0038	PL/4/600/H7	600 kg	200 g	IP 68	1000x1000 mm
WX-009-0039	PL/4/1500/H7	1500 kg	500 g	IP 68	1000x1000 mm
WX-009-0040	PL/4/1500/H8	1500 kg	500 g	IP 68	1200x1200 mm
WX-009-0070	PL/4/1500/H8/9	1500 kg	500 g	IP 68	1200x1500 mm
WX-009-0042	PL/4/1500/H9	1500 kg	500 g	IP 68	1500x1500 mm
WX-009-0041	PL/4/3000/H8	3000 kg	1 kg	IP 68	1200x1200 mm
WX-009-0071	PL/4/3000/H8/9	3000 kg	1 kg	IP 68	1200x1500 mm
WX-009-0043	PL/4/3000/H9	3000 kg	1 kg	IP 68	1500x1500 mm
WX-009-0044	PL/4/3000/H10	3000 kg	1 kg	IP 68	1500x2000 mm
WX-009-0045	PL/4/6000/H10	6000 kg	2 kg	IP 68	1500x2000 mm

Stainless Steel Platforms, Pit Version



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0061	PL/4/300/H6/Z	300 kg	100 g	IP 68	800x800 mm
WX-009-0073	PL/4/300/H7/Z	300 kg	100 g	IP 68	1000x1000 mm
WX-009-0072	PL/4/600/H6/Z	600 kg	200 g	IP 68	800x800 mm
WX-009-0101	PL/4/600/H7/Z	600 kg	200 g	IP 68	1000x1000 mm
WX-009-0074	PL/4/1500/H7/Z	1500 kg	500 g	IP 68	1000x1000 mm
WX-009-1020	PL/4/1500/H8/Z	1500 kg	500 g	IP 68	1200x1200 mm
WX-009-0075	PL/4/3000/H8/Z	3000 kg	1 kg	IP 68	1200x1200 mm



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0076	PL/4/1500/H8/9/Z	1500 kg	500 g	IP 68	1200x1500 mm
WX-009-0064	PL/4/1500/H9/Z	1500 kg	500 g	IP 68	1500x1500 mm
WX-009-0077	PL/4/3000/H8/9/Z	3000 kg	1 kg	IP 68	1200x1500 mm
WX-009-0066	PL/4/3000/H9/Z	3000 kg	1 kg	IP 68	1500x1500 mm
WX-009-0078	PL/4/3000/H10/Z	3000 kg	1 kg	IP 68	1500x2000 mm
WX-009-0069	PL/4/6000/H10/Z	6000 kg	2 kg	IP 68	1500x2000 mm

Ramp Stainless Steel Platforms



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0182	PL/4N/150/H1	150 kg	50 g	IP 68	840x860 mm
WX-009-0120	PL/4N/300/H1	300 kg	100 g	IP 68	840x860 mm
WX-009-0184	PL/4N/300/H2	300 kg	0	IP 68	1100x1200 mm
WX-009-0186	PL/4N/300/H3	300 kg	100 g	IP 68	1200x1500 mm
WX-009-0188	PL/4N/300/H4	300 kg	100 g	IP 68	1500x1500 mm
WX-009-0183	PL/4N/600/H1	600 kg	0	IP 68	840x860 mm
WX-009-0185	PL/4N/600/H2	600 kg	200 g	IP 68	1100x1200 mm
WX-009-0187	PL/4N/600/H3	600 kg	200 g	IP 68	1200x1500 mm
WX-009-0189	PL/4N/600/H4	600 kg	200 g	IP 68	1500x1500 mm
WX-009-0079	PL/4N/1500/H2	1500 kg	500 g	IP 68	1100x1200 mm
WX-009-0081	PL/4N/1500/H3	1500 kg	500 g	IP 68	1200x1500 mm
WX-009-0082	PL/4N/1500/H4	1500 kg	500 g	IP 68	1500x1500 mm

Stainless Steel Ramp Platforms With LD Lifting System



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WX-009-0239	PL/4N/150/H1.LD	150 kg	50 g	IP 68	840x860 mm
WX-009-0240	PL/4N/300/H1.LD	300 kg	100 g	IP 68	840x860 mm
WX-009-0242	PL/4N/300/H2.LD	300 kg	100 g	IP 68	1100x1200 mm
WX-009-0245	PL/4N/300/H3.LD	300 kg	100 g	IP 68	1200x1500 mm
WX-009-0248	PL/4N/300/H4.LD	300 kg	100 g	IP 68	1500x1500 mm
WX-009-0241	PL/4N/600/H1.LD	600 kg	200 g	IP 68	840x860 mm
WX-009-0243	PL/4N/600/H2.LD	600 kg	200 g	IP 68	1100x1200 mm
WX-009-0246	PL/4N/600/H3.LD	600 kg	200 g	IP 68	1200x1500 mm
WX-009-0249	PL/4N/600/H4.LD	600 kg	200 g	IP 68	1500x1500 mm
WX-009-0244	PL/4N/1500/H2.LD	1500 kg	500 g	IP 68	1100x1200 mm
WX-009-0247	PL/4N/1500/H3.LD	1500 kg	500 g	IP 68	1200x1500 mm
WX-009-0250	PL/4N/1500/H4.LD	1500 kg	500 g	IP 68	1500x1500 mm

To make sure the scale meets your needs, you are the one who chooses both the terminal and the platform. At your request, we will combine any terminal with any platform so that you get a device that meets all your needs.



PUE C315



PUE H315



PUE C32



PUE 7.1



HX5 EX



PUE HX7



PUE HY10



PUE 5.15



PUE 5.19



PRODUCT CATALOGUE

ADVANCED WEIGHING TECHNOLOGIES

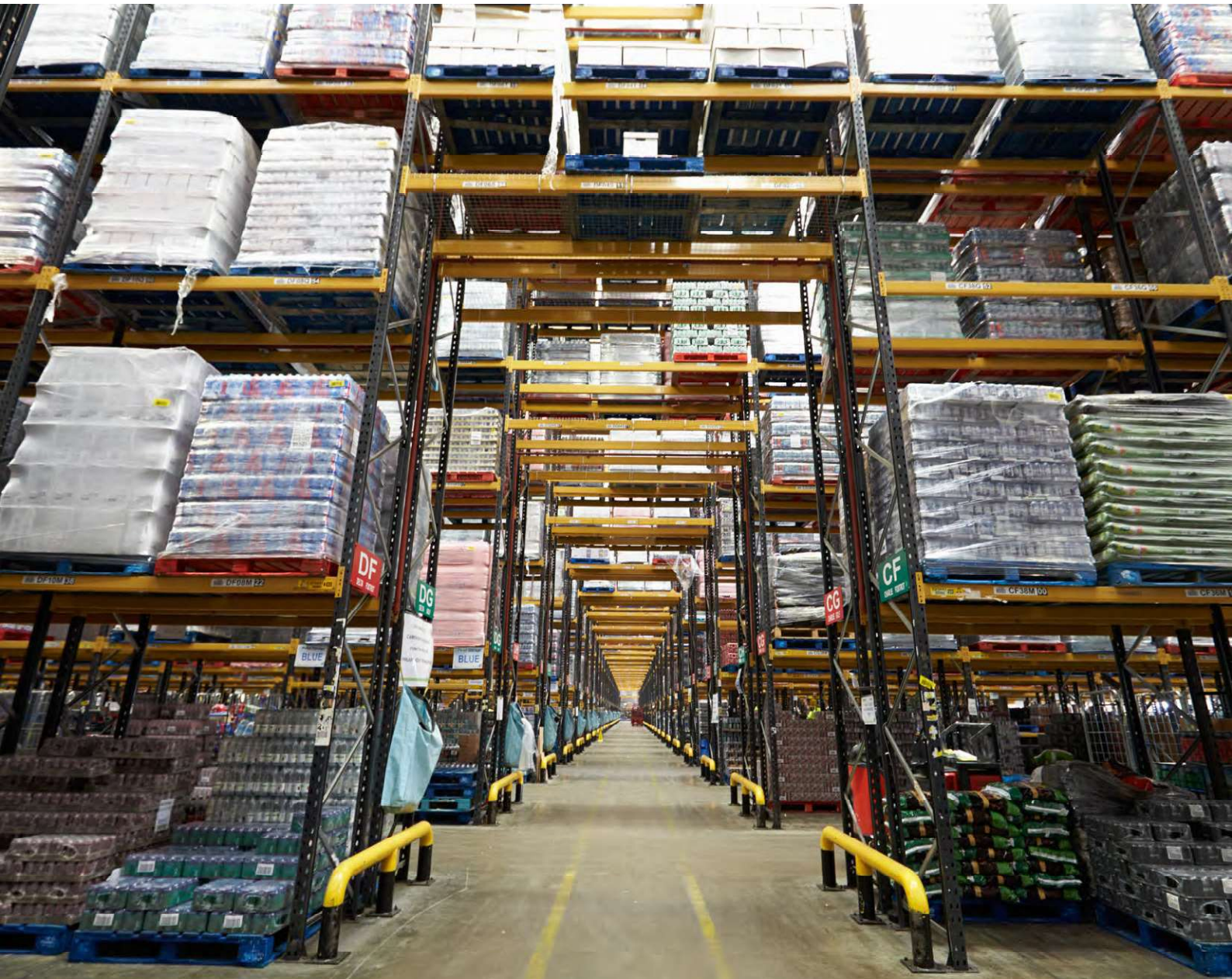




PRODUCT CATALOGUE

ADVANCED WEIGHING TECHNOLOGIES





Industrial Scales

Advanced Weighing Technologies for Industry

Technical Specification

Pallet Scales



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-230-0020	C315.4P.600.C	600 kg	200 g	IP 65 construction, IP 67 cell, IP 43 indicator	840x1200 mm
WP-230-0021	C315.4P.1500.C	1500 kg	500 g	IP 65 construction, IP 67 cell, IP 43 indicator	840x1200 mm
WP-230-0022	C315.4P.3000.C	3000 kg	1000 g	IP 65 construction, IP 67 cell, IP 43 indicator	840x1200 mm



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-228-0001	HX7.4P.600.C	600 kg	200 g	IP 65 construction, IP 66/68 indicator	840x1200 mm
WP-228-0002	HX7.4P.1500.C	1500 kg	500 g	IP 65 construction, IP 66/68 indicator	840x1200 mm
WP-228-0003	HX7.4P.3000.C	3000 kg	1000 g	IP 65 construction, IP 66/68 indicator	840x1200 mm

Stainless Steel Pallet Scales



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-235-0001	H315.4P.600.H	600 kg	200 g	IP 68 construction, IP 68 (1h max)/69 indicator	860x1200mm
WP-235-0002	H315.4P.1500.H	1500 kg	500 g	IP 68 construction, IP 68 (1h max)/69 indicator	860x1200mm
WP-235-0003	H315.4P.3000.H	3000 kg	1000 g	IP 68 construction, IP 68 (1h max)/69 indicator	860x1200mm



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-228-0004	HX7.4P.600.H	600 kg	200 g	IP 68 construction, IP 66/68 indicator	860x1200mm
WP-228-0005	HX7.4P.1500.H	1500 kg	500 g	IP 68 construction, IP 66/68 indicator	860x1200mm
WP-228-0006	HX7.4P.3000.H	3000 kg	1000 g	IP 68 construction, IP 66/68 indicator	860x1200mm

Beam Scales



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-230-0023	C315.4P2.600.C	600 kg	200 g	IP 67 construction, IP 43 indicator	2 pcs 1.2 m
WP-230-0024	C315.4P2.1500.C	1500 kg	500 g	IP 67 construction, IP 43 indicator	2 pcs 1.2 m
WP-230-0026	C315.4P2.2000.C1	2000 kg	1000 g	IP 67 construction, IP 43 indicator	2 pcs 2 m
WP-230-0029	C315.4P2.2000.C2	2000 kg	1000 g	IP 67 construction, IP 43 indicator	2 pcs 2,5 m
WP-230-0025	C315.4P2.3000.C	3000 kg	1000 g	IP 67 construction, IP 43 indicator	2 pcs 1.2 m
WP-230-0027	C315.4P2.4000.C1	4000 kg	2000 g	IP 67 construction, IP 43 indicator	2 pcs 2 m
WP-230-0030	C315.4P2.4000.C2	4000 kg	2000 g	IP 67 construction, IP 43 indicator	2 pcs 2,5 m
WP-230-0028	C315.4P2.6000.C1	6000 kg	2000 g	IP 67 construction, IP 43 indicator	2 pcs 2 m
WP-230-0031	C315.4P2.6000.C2	6000 kg	2000 g	IP 67 construction, IP 43 indicator	2 pcs 2,5m



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-229-0001	HX7.4P2.600.C	600 kg	200 g	IP 65 construction, IP 66/68 indicator	2 pcs 1.2 m
WP-229-0002	HX7.4P2.1500.C	1500 kg	500 g	IP 65 construction, IP 66/68 indicator	2 pcs 1.2 m
WP-229-0004	HX7.4P2.2000.C1	2000 kg	1000 g	IP 65 construction, IP 66/68 indicator	2 pcs 2 m
WP-229-0007	HX7.4P2.2000.C2	2000 kg	1000 g	IP 65 construction, IP 66/68 indicator	2 pcs 2,5 m
WP-229-0003	HX7.4P2.3000.C	3000 kg	1000 g	IP 65 construction, IP 66/68 indicator	2 pcs 1.2 m
WP-229-0005	HX7.4P2.4000.C1	4000 kg	2000 g	IP 65 construction, IP 66/68 indicator	2 pcs 2 m
WP-229-0008	HX7.4P2.4000.C2	4000 kg	2000 g	IP 65 construction, IP 66/68 indicator	2 pcs 2,5 m
WP-229-0006	HX7.4P2.6000.C1	6000 kg	2000 g	IP 65 construction, IP 66/68 indicator	2 pcs 2 m
WP-229-0009	HX7.4P2.6000.C2	6000 kg	2000 g	IP 65 construction, IP 66/68 indicator	2 pcs 2,5 m

Stainless Steel Beam Scales



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-236-0001	H315.4P2.600.H	600 kg	200 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 1.2 m
WP-236-0002	H315.4P2.1500.H	1500 kg	500 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 1.2 m
WP-236-0004	H315.4P2.2000.H1	2000 kg	1000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 2 m
WP-236-0007	H315.4P2.2000.H2	2000 kg	1000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 2,5 m
WP-236-0003	H315.4P2.3000.H	3000 kg	1000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 1.2 m
WP-236-0005	H315.4P2.4000.H1	4000 kg	2000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 2 m
WP-236-0008	H315.4P2.4000.H2	4000 kg	2000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 2,5 m
WP-236-0006	H315.4P2.6000.H1	6000 kg	2000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 2 m
WP-236-0009	H315.4P2.6000.H2	6000 kg	2000 g	IP 68 construction, IP 68 (1h max)/69 indicator	2 pcs 2,5 m



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-229-0010	HX7.4P2.600.H	600 kg	200 g	IP 68 construction, IP 66/68 indicator	2 pcs 1.2 m
WP-229-0011	HX7.4P2.1500.H	1500 kg	500 g	IP 68 construction, IP 66/68 indicator	2 pcs 1.2 m
WP-229-0013	HX7.4P2.2000.H1	2000 kg	1000 g	IP 68 construction, IP 66/68 indicator	2 pcs 2 m
WP-229-0016	HX7.4P2.2000.H2	2000 kg	1000 g	IP 68 construction, IP 66/68 indicator	2 pcs 2,5 m
WP-229-0012	HX7.4P2.3000.H	3000 kg	1000 g	IP 68 construction, IP 66/68 indicator	2 pcs 1.2 m
WP-229-0014	HX7.4P2.4000.H1	4000 kg	2000 g	IP 68 construction, IP 66/68 indicator	2 pcs 2 m
WP-229-0017	HX7.4P2.4000.H2	4000 kg	2000 g	IP 68 construction, IP 66/68 indicator	2 pcs 2,5 m
WP-229-0015	HX7.4P2.6000.H1	6000 kg	2000 g	IP 68 construction, IP 66/68 indicator	2 pcs 2 m
WP-229-0018	HX7.4P2.6000.H2	6000 kg	2000 g	IP 68 construction, IP 66/68 indicator	2 pcs 2,5 m

Livestock Scale



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-237-0001	H315.4I.2000.S1	2000 kg	1 kg	IP 67 construction, IP 68 (1h max)/69 indicator	1x2x1,1 m
WP-237-0002	H315.4I.2000.S2	2000 kg	1 kg	IP 67 construction, IP 68 (1h max)/69 indicator	1x2x1,8 m
WP-237-0003	H315.4I.2000.S3	2000 kg	1 kg	IP 67 construction, IP 68 (1h max)/69 indicator	1x2,5x1,8 m

Stainless Steel Livestock Scales



Product Code	Model	Max. capacity	Readability	Protection class	Weighing pan dimensions
WP-237-0004	H315.4I.2000.H1	2000 kg	1 kg	IP 68 construction, IP 68 (1h max)/69 indicator	1x2x1,1 m
WP-237-0006	H315.4I.2000.H3	2000 kg	1 kg	IP 68 construction, IP 68 (1h max)/69 indicator	1x2x1,8 m
WP-237-0005	H315.4I.2000.H2	2000 kg	1 kg	IP 68 construction, IP 68 (1h max)/69 indicator	1x2,5x1,8 m

Overhead Track Scale



Product Code	Model	Max. capacity	Readability	Protection class	Detection line span
WP-238-1001	H315.2K.300/600 300/600	300 / 600 kg	0.1 / 0.2 kg	IP 67 construction, IP 68 (1h max)/69 indicator	L = 800 mm (min. 200 mm)

Stainless Steel Overhead Track Scales



Product Code	Model	Max. capacity	Readability	Protection class	Detection line span
WP-238-1002	H315.2K.300/600H	300 / 600 kg	0.1 / 0.2 kg	IP 67 construction, IP 68 (1h max)/69 indicator	L = 800 mm (min. 200 mm)



PRODUCT CATALOGUE

ADVANCED WEIGHING TECHNOLOGIES





Weighing Solutions for Hazardous Areas

PUE HX5.EX

Explosion-Proof Hazardous Area Indicator



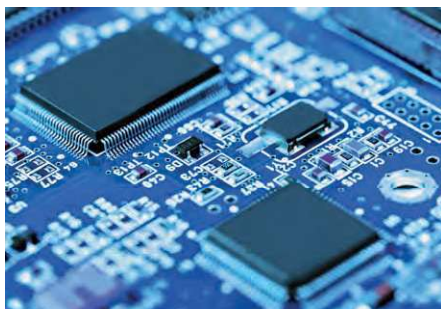
ATEX AND IECEx APPROVAL

PUE HX5.EX is a cutting-edge weighing indicator, designed to make industrial load-cell scales that can be operated in production areas endangered with explosion, classified as zones 1, 2, 21, 22.



VERSATILITY OF USE

The indicator is intended to be used under challenging environmental conditions, and in places of high hygiene standards, e.g. in chemical, pharmaceutical or food industries.



ELECTRONICS

PUE HX5.EX is equipped with high-tech electronics due to which utmost precision and perfect measurement repeatability are ensured. The indicator can cooperate with system comprised of 4-load-cells, where the impedance value is 350 Ω , or of 8 load cells, with 1000 Ω impedance.



COMMUNICATION PROTOCOL

Complex communication protocol enables establishing communication with its systems, and superior adjustment and control systems.



DISPLAY

5" colour graphic display of high resolution guarantees clear and fast presentation of displayed information on current state of carried out process. Graphic user interface features option of customization via widgets, this adds to comfort of operation.

KEYPAD

Large and functional 35-key keypad is equipped with programmable function keys which enable its customization.

SOFTWARE

Advanced software enables carrying out many operations connected with mass measurement, e.g. parts counting, checkweighing, statistics. Alibi Memory guarantees stored data safety.



HOUSING

Robust, made of AISI304 stainless steel, guarantees IP66 / IP68 ingress protection (up to 1.5-meter deep immersion). Solid bracket enables mounting of the device either on a flat surface or wall.



COMMUNICATION INTERFACES

PUE HX5.EX is equipped with two intrinsically safe RS232 connectors and one intrinsically safe RS485 connector.

Possibility to install additional digital inputs/outputs (4 IN/4 OUT) extends the range of instruments compatible with the indicator by automation components that are compliant with ATEX directive.

Power Supply

Certified Intrinsically Safe Technology

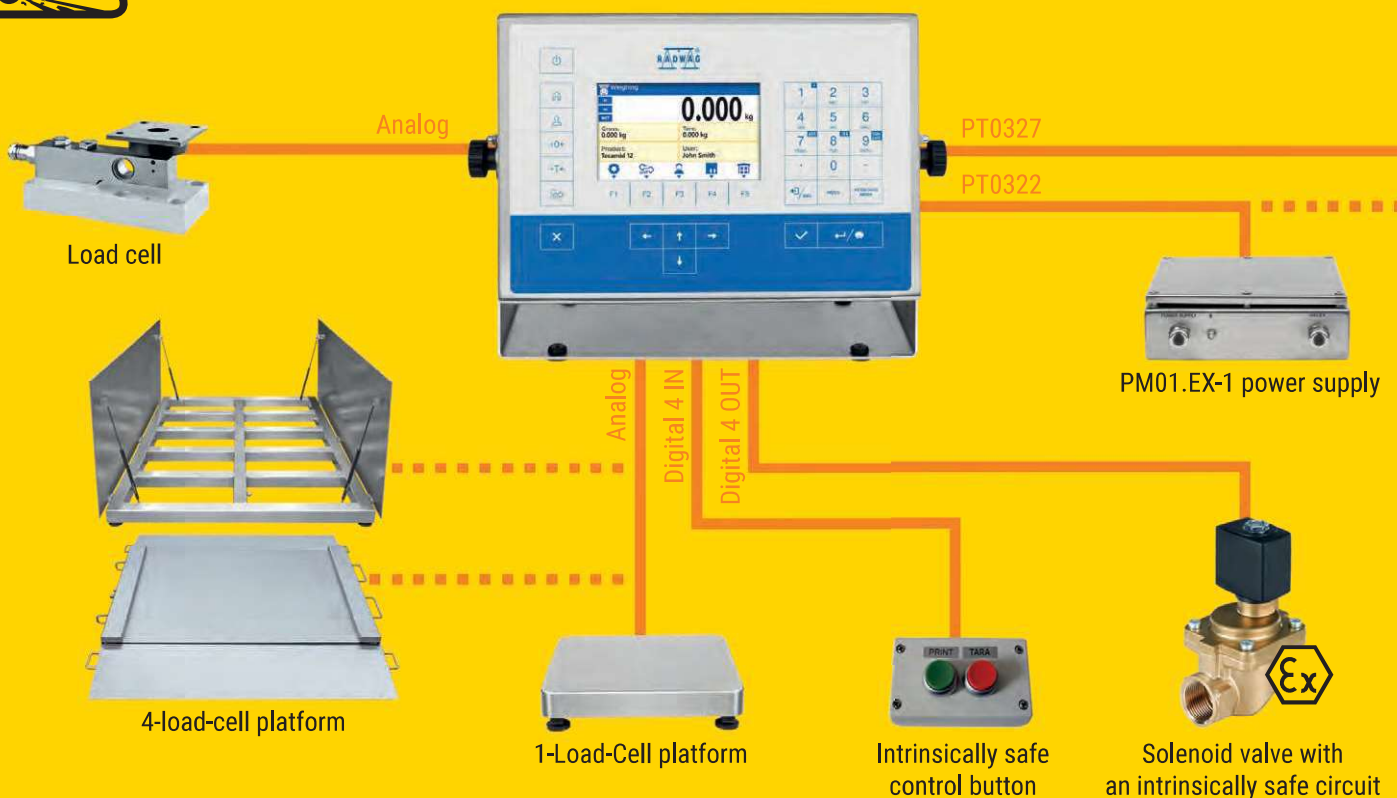
PUE HX5.EX indicator must be powered using exclusively a certified intrinsically safe Radwag PM01.EX power supply. Depending on the needs, the PM01.EX can be connected to the voltage source placed either in hazardous or safe area.

PM01.EX power supply comes in two designs:

- **PM01.EX-1:** power supply intended for operation in hazardous area:
 - Zone 1 and 2, where there is a risk of explosion due to mixture of air with vapour, mist or gas, classified as explosion group IIC, IIB and IIA and as temperature class T1, T2, T3, T4.
 - Zone 21 and 22, where there is a risk of explosion due to mixture of air with dust, flammable fibres and volatile fuels, classified as explosion group IIIC, IIIB and IIIA.
- **PM01.EX-2:** power supply intended for operation outside hazardous area, equipped with intrinsically safe circuits which may be placed in zones 1, 2, 21, 22.



Hazardous area



Communication Module

Cooperation With External Devices

With use of IM01.EX communication module it is possible to expand communication interfaces range of the HX5. EX indicator. the module is installed outside the hazardous area, and connected to the indicator using intrinsically safe interface.

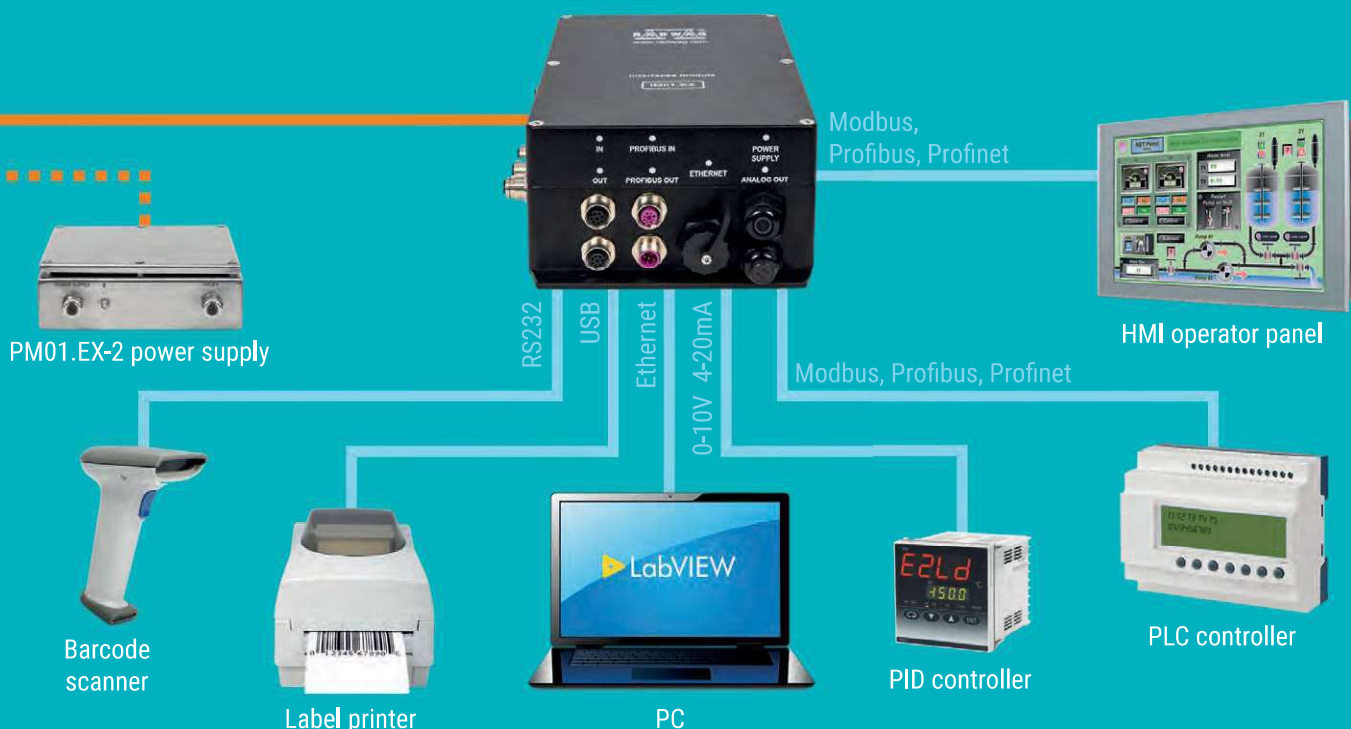
The module facilitates cooperation with various accessories, e.g. barcode scanners, printers, displays, control buttons, light signalling towers, buzzers and other controlling/signalling devices. it enables establishing communication with systems of automatic adjustment and control of industrial processes, and with superior it systems.

Available designs:

- **IM01.EX-1 (standard):** 2 × RS232, USB, 4 IN/4 OUT, Ethernet
- **IM01.EX-2:** Analog output 4-20mA/0-10V
- **IM01.EX-3:** Digital 12IN/12OUT
- **IM01.EX-4:** Profibus DP
- **IM01.EX-5:** Profinet
- **IM01.EX-8:** RS485
- **IM01.EX-9:** EtherNet/IP



Safe
area



1-Load-Cell Ex Scales

Remarkably Fast and Precise Measurements

Ex scales equipped with 1-Load-Cell platforms are designed to enable fast and precise measurement of loads, weight of which is not greater than 300 kg.

Characteristic feature of 1-Load-Cell platforms is use of 1-Load-Cell sensor for mass measurements. the platforms are equipped with stainless steel weighing pan, their frame, depending on the model, can be made of stainless, acid-proof or powder coated steel.

F1, C2 and C3 series

Platforms of F1, C2 and C3 series, designed with durability and reliability in mind, are relatively inexpensive devices when speaking in terms of quality they offer. These are solutions of up to 30 000 d resolution (non-verified scales). IP65 ingress protection allows to use these platforms in dry environment.

The series is intended for operation in zone 1 and 2.

H1 – H6 series

Platforms of H1-H6 series are intended to be operated either under high humidity conditions or at direct contact with water. Solid and reliable mechanical design makes them a perfect solution in food and cosmetic industries, and wherever meeting high hygiene standards is required.

The series is intended for operation in zone 1 and 2.

HR2 – HR6 series

Platforms of HR2-HR6 series are intended to be operated under the most challenging environmental conditions, and at direct contact with both water and chemical substances. They are made of acid-proof steel providing resistance to corrosive substances used in chemical and pharmaceutical industries on a regular basis.

The series is intended for operation in zone 1, 2, 21 and 22.

The main features

resolution	3000 d	verified scales
	up to 30000 d	non-verified scales
ingress protection	F1, C2-C3	IP65
	H1-H6	IP68
	HR2-HR5	IP68/69
material	F1, C2-C3	mechanical design St3S, platform AISI304
	H1-H6	AISI304
	HR2-HR5	AISI316
load cell	F1, C2-C3	aluminium IP65
	H1-H6	aluminium IP65, protected by silicone bellow
	HR2-HR5	stainless steel IP68/69



Platform F1



Platform H2



Platform HR3

4-Load-Cell Ex Scales

Precise Measurements of Large Loads

Ex scales equipped with platforms featuring multiple load cells are intended to carry out fast and precise mass measurements of large loads.

When it comes to design of multiple-load-cell platforms, its characteristic feature is use of numerous load cells, usually four. They are made of either stainless steel or powder coated carbon steel, their design is often customized so that particular user needs are met (pallet scales, ramp scales, etc.).

4.C6-4.C11 series

Platforms of IP65 ingress protection, made of St3S carbon steel, and protected against corrosion via powder coating. Their tear plate surface prevents potential slip. the platforms are offered in wide range of different dimensions and maximum capacities. They can be equipped with numerous dedicated accessories (ramps, ramps for pit-version scales, etc.). These scales are intended to be operated in dry environment.

The series can be used in zone 1 and 2 (ATEX).

4.H6-4.H10 and 4.H6/Z-4.H10/Z series

Extremely solid and reliable platforms made of AISI304 stainless steel. Due to IP68 ingress protection they can be operated under severe industrial conditions and at a frequent contact with water. Z series features frame that is to be embedded in the ground, and opened weighing pan, which allows to maintain the device clean.

H6-H10 series is intended for operation in zone 1/21 and 2/22, and H6/Z-H10/Z in zone 1 and 2.

4N.H1-4N.H4 series

Low-profile platforms made of AISI304 stainless steel, and equipped with two ramps. They are perfect solution for weighing loads transported using trolleys. the IP68 ingress protection allows to use these platforms in corrosive conditions (frequent cleaning and contact with water).

The series is intended for operation in zone 1/21 and 2/22.

4P and 4P2 series

Pallet and beam scales made of carbon steel, St3S, or stainless steel, AISI304. They are designed to enable weighing of loads placed on pallets, and objects of atypical and unfixed size. These scales can be operated in challenging industrial environment.

The series is intended for operation in zones 1, 2 (St3S), and in zones 1/21, 2/22 (AISI304).

The main features

resolution	3000 d	verified scales
	up to 30000 d	non-verified scales
ingress protection	4.C6-4.C11	IP65
	4P.C, 4P2.C- 4P2.C2	
	4.H6-4.H10, 4.H6/Z-4.H10/Z 4N.H1-4N.H4 4P.H, 4P2.H-4P2.H2	IP68
material	4.C6-4.C11 4P.C, 4P2.C- 4P2.C2	St3S
	4.H6-4.H10, 4.H6/Z-4.H10/Z 4N.H1-4N.H4 4P.H, 4P2.H-4P2.H2	AISI304
load cell	4.C6-4.C11, 4P.C	powder coated steel IP67
	4P2.C- 4P2.C2	stainless steel IP67
	4.H6-4.H10, 4.H6/Z-4.H10/Z 4N.H1-4N.H4 4P.H, 4P2.H-4P2.H2	stainless steel IP68



Platform C6



Platform 4N.H



Platform 4.H/Z



Platform 4P.H

Ex Zones

Classification, Description, Characteristics

Zone endangered with explosion risk is a hazardous area where gases, vapours and mists or dusts are mixed with air causing potentially explosive atmosphere. in accordance with 1999/92/EC directive, these zones are classified with regard to frequency of explosive atmosphere occurrence and its duration:

Explosive atmosphere caused by mixture of air and:	Hazardous area	Characteristics
gas, liquid and vapours (zone G)	Zone 0	constant explosion risk lasting for a long period of time
	Zone 1	occasional explosion risk
	Zone 2	no explosion risk during regular work, shall any occur it lasts for a short period of time
flammable dust (zone D)	Zone 20	constant explosion risk lasting for a long period of time
	Zone 21	occasional explosion risk
	Zone 22	no explosion risk during regular work, shall any occur it lasts for a short period of time

Wherever there is a risk of fire or explosion, it is necessary to use safe, respective for a particular zone, devices. The devices must allow operation in potentially hazardous environment. They must eliminate risk of fire or explosion due to electric arch, spark or high temperature.

HX5.EX series scales intended for operation in hazardous areas meet the highest safety standards. Their mechanical design prevents initiation of explosive mixtures ignition.

General classification of devices designed to be used within hazardous area where the devices have been classified with regard to the intended use and required safety level:

Group I	protective systems and devices intended to be used in mines, where there is methane hazard or risk of coal dust explosion
Group II	protective systems and devices intended to be used in other than mines places where there is risk of explosive atmospheres occurrence

Devices of each group are divided into categories. When speaking of group II, the categories are:

Category 1	devices guaranteeing very high safety level, even in case of sporadic device breakdowns, with the following safety measures taken: <ol style="list-style-type: none"> if one of the safety measures fails, the required safety level is ensured by a second independent safety solution required safety level is ensured in case two independent breakdowns occur
Category 2	devices guaranteeing high safety level with such safety measures taken that protection is ensured even in case of frequent breakdowns
Category 3	devices ensuring standard safety level with such safety measures taken that guarantee protection in the course of typical operation



Ex Zones

Classification and Marking

The device intended to be operated within an area where there is risk of explosion, features CE mark and symbols classifying the device for a particular area, group and category. for explanation of Ex marking symbols see the table below.

Hazardous areas classification and marking				
Flammable material	Explosion probability	Hazardous areas classification	Products classification	
			Group	Category
Gases, vapours, mists	Continuously or frequently	Zone 0	II	1G
	Occasionally	Zone 1	II	2G
	Rarely or for a short period only	Zone 2	II	3G
Dusts	Continuously or frequently	Zone 20	II	1D
	Occasionally	Zone 21	II	2D
	Rarely or for a short period only	Zone 22	II	3D

Area classification with regard to gases, vapours and mists																							
Explosion group	Examples (depending on explosion group and temperature class)																						
	IIA IIB IIC	Hydrogen	Acetylene							Carbon disulfide													
Acrylate Nitrile Town gas		Ethylene Ethylene oxide	Ethyleneglycol Hydrogen sulfide	Diethyl ether																			
Ammonia Propane Ethane		Butane Ethanol	Petrol Diesel oil Hexane	Acetaldehyde																			
<table border="1"> <thead> <tr> <th colspan="2">Temperature class</th> </tr> </thead> <tbody> <tr> <td>T1 < 450 °C</td> <td></td> </tr> <tr> <td>T2 < 300 °C</td> <td></td> </tr> <tr> <td>T3 < 200 °C</td> <td></td> </tr> <tr> <td>T4 < 135 °C</td> <td></td> </tr> <tr> <td>T5 < 100 °C</td> <td></td> </tr> <tr> <td>T6 < 85 °C</td> <td></td> </tr> </tbody> </table>										Temperature class		T1 < 450 °C		T2 < 300 °C		T3 < 200 °C		T4 < 135 °C		T5 < 100 °C		T6 < 85 °C	
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<table border="1"> <thead> <tr> <th colspan="2">Protection level (gases)</th> </tr> </thead> <tbody> <tr> <td>Ga</td> <td>Zone 0, 1, 2</td> </tr> <tr> <td>Gb</td> <td>Zone 1, 2</td> </tr> <tr> <td>Gc</td> <td>Zone 2</td> </tr> </tbody> </table>										Protection level (gases)		Ga	Zone 0, 1, 2	Gb	Zone 1, 2	Gc	Zone 2						
Protection level (gases)																							
Ga	Zone 0, 1, 2																						
Gb	Zone 1, 2																						
Gc	Zone 2																						



II 2G Ex ib IIC T4 Gb
II 2D Ex ib IIIC T60°C Db

Flame-proof enclosures preventing the explosion from spreading outside the enclosure	1, 2	EN 60079-1	Ex db
Increased safety preventing high temperature and ignition sparks	1, 2	EN 60079-7	Ex eb
Intrinsic safety low voltage /current	0, 1, 2, 20, 21, 22	EN 60079-11	Ex ia
Intrinsic safety low voltage /current	1, 2, 21, 22	EN 60079-11	Ex ib
Encapsulation sealing	1, 2, 21, 22	EN 60079-18	Ex mb
Hermetic housing preventing dust explosion	21, 22	EN 60079-31	Ex tb
Exemplary protection types	Zone	Standard	Code

Classification and marking of protection type

IIIA IIIB IIIC	Da	Zone 20, 21, 22	Protection level (dusts)
	Db	Zone 21, 22	
	Dc	Zone 22	
Maximum surface temperature in area endangered with dust explosion		Surface temperature	
IIIA IIIB IIIC	Volatile fuels		
	Non-conductive dust		
	Conductive dust		
Explosion group	Examples (depending on explosion group)		

Hazardous areas classification due to dusts

Technical Specification

Hazardous Area Endangered with Gas Explosion

High Resolution Platforms



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions	ATEX Certification
WX-009-0271	PL.16.HRPEX	16 kg	0.1 g	0.1 g	360x280 mm	II 3G Ex ic IIB T4 Gc
WX-009-0272	PL.32.HRPEX	32 kg	0.1 g	0.1 g	360x280 mm	II 3G Ex ic IIB T4 Gc



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions	ATEX Certification
WX-009-0273	PL.62.HRPEX	62 kg	0.5 g	0.3 g	500x500 mm	II 3G Ex ic IIB T4 Gc
WX-009-0274	PL.120.HRPEX	120 kg	1 g	0.6 g	500x500 mm	II 3G Ex ic IIB T4 Gc
WX-009-0275	PL.150.HRPEX	150 kg	1 g	1.5 g	800x600 mm	II 3G Ex ic IIB T4 Gc
WX-009-0276	PL.300.HRPEX	300 kg	2 g	3 g	800x600 mm	II 3G Ex ic IIB T4 Gc
WX-009-0277	PL.300.1.HRPEX	300 kg	2 g	3 g	1000x800 mm	II 3G Ex ic IIB T4 Gc
WX-009-0278	PL.600.HRPEX	600 kg	5 g	7.5 g	1000x800 mm	II 3G Ex ic IIB T4 Gc
WX-009-0279	PL.1100.HRPEX	1100 kg	10 g	15 g	1000x800 mm	II 3G Ex ic IIB T4 Gc

1-Load-Cell Platform Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-006-0001	HX5.EX-1.1,5.F1	1.5 kg	0.5 g	300x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0002	HX5.EX-1.3.F1	3 kg	1 g	300x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0003	HX5.EX-1.6.F1	6 kg	2 g	300x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0004	HX5.EX-1.15.F1	15 kg	5 g	300x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0005	HX5.EX-1.30.F1	30 kg	10 g	300x300 mm	II 2G Ex ib IIB T4 Gb



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-006-0006	HX5.EX-1.15.C2	15 kg	5 g	400x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0012	HX5.EX-1.15.C3	15 kg	5 g	500x700 mm	II 2G Ex ib IIB T4 Gb
WW-006-0007	HX5.EX-1.30.C2	30 kg	10 g	400x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0013	HX5.EX-1.30.C3	30 kg	10 g	500x700 mm	II 2G Ex ib IIB T4 Gb
WW-006-0008	HX5.EX-1.60.C2	60 kg	20 g	400x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0014	HX5.EX-1.60.C3	60 kg	20 g	500x700 mm	II 2G Ex ib IIB T4 Gb
WW-006-0009	HX5.EX-1.150.C2	150 kg	50 g	400x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0015	HX5.EX-1.150.C3	150 kg	50 g	500x700 mm	II 2G Ex ib IIB T4 Gb
WW-006-0010	HX5.EX-1.300.C2	300 kg	100 g	400x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0016	HX5.EX-1.300.C3	300 kg	100 g	500x700 mm	II 2G Ex ib IIB T4 Gb

Waterproof Platform Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-006-0017	HX5.EX-1.1,5.H1	1.5 kg	0.5 g	150x200 mm	II 2G Ex ib IIB T4 Gb
WW-006-0018	HX5.EX-1.3.H1	3 kg	1 g	150x200 mm	II 2G Ex ib IIB T4 Gb
WW-006-0019	HX5.EX-1.6.H1	6 kg	2 g	150x200 mm	II 2G Ex ib IIB T4 Gb
WW-006-0020	HX5.EX-1.15.H1	15 kg	5 g	150x200 mm	II 2G Ex ib IIB T4 Gb



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-006-0021	HX5.EX-1.3.H2	3 kg	1 g	250x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0022	HX5.EX-1.6.H2	6 kg	2 g	250x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0023	HX5.EX-1.15.H2	15 kg	5 g	250x300 mm	II 2G Ex ib IIB T4 Gb
WW-006-0024	HX5.EX-1.30.H2	30 kg	10 g	250x300 mm	II 2G Ex ib IIB T4 Gb



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-006-0025	HX5.EX-1.6.H3	6 kg	2 g	410x410 mm	II 2G Ex ib IIB T4 Gb
WW-006-0038	HX5.EX-1.15.H5	15 kg	5 g	600x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0026	HX5.EX-1.15.H3	15 kg	5 g	410x410 mm	II 2G Ex ib IIB T4 Gb



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-006-0034	HX5.EX-1.15.H3/5	15 kg	5 g	400x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0030	HX5.EX-1.15.H4	15 kg	5 g	500x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0027	HX5.EX-1.30.H3	30 kg	10 g	410x410 mm	II 2G Ex ib IIB T4 Gb
WW-006-0035	HX5.EX-1.30.H3/5	30 kg	10 g	400x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0031	HX5.EX-1.30.H4	30 kg	10 g	500x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0039	HX5.EX-1.30.H5	30 kg	10 g	600x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0028	HX5.EX-1.60.H3	60 kg	20 g	410x410 mm	II 2G Ex ib IIB T4 Gb
WW-006-0036	HX5.EX-1.60.H3/5	60 kg	20 g	400x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0032	HX5.EX-1.60.H4	60 kg	20 g	500x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0040	HX5.EX-1.60.H5	60 kg	20 g	600x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0042	HX5.EX-1.60.H6	60 kg	20 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-006-0029	HX5.EX-1.150.H3	150 kg	50 g	410x410 mm	II 2G Ex ib IIB T4 Gb
WW-006-0037	HX5.EX-1.150.H3/5	150 kg	40 g	400x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0033	HX5.EX-1.150.H4	150 kg	50 g	500x500 mm	II 2G Ex ib IIB T4 Gb
WW-006-0041	HX5.EX-1.150.H5	150 kg	50 g	600x600 mm	II 2G Ex ib IIB T4 Gb
WW-006-0043	HX5.EX-1.150.H6	150 kg	50 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-006-0044	HX5.EX-1.300.H6	300 kg	100 g	800x800 mm	II 2G Ex ib IIB T4 Gb

4-Load-Cell Platform Scale

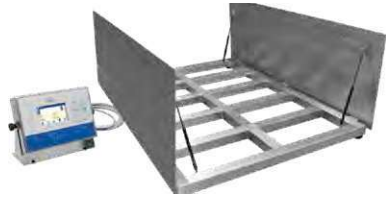


Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-008-0006	HX5.EX-1.4.60.C7	60 kg	20 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0001	HX5.EX-1.4.60.C6	60 kg	20 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0002	HX5.EX-1.4.150.C6	150 kg	50 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0007	HX5.EX-1.4.150.C7	150 kg	50 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0008	HX5.EX-1.4.300.C7	300 kg	100 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0011	HX5.EX-1.4.300.C8	300 kg	100 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0003	HX5.EX-1.4.300.C6	300 kg	100 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0004	HX5.EX-1.4.600.C6	600 kg	200 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0009	HX5.EX-1.4.600.C7	600 kg	200 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0012	HX5.EX-1.4.600.C8	600 kg	200 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0015	HX5.EX-1.4.600.C8/9	600 kg	200 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0018	HX5.EX-1.4.600.C9	600 kg	200 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0005	HX5.EX-1.4.1500.C6	1500 kg	500 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0010	HX5.EX-1.4.1500.C7	1500 kg	500 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0013	HX5.EX-1.4.1500.C8	1500 kg	500 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0016	HX5.EX-1.4.1500.C8/9	1500 kg	500 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0019	HX5.EX-1.4.1500.C9	1500 kg	500 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0022	HX5.EX-1.4.3000.C10	3000 kg	1000 g	1500x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0024	HX5.EX-1.4.3000.C11	3000 kg	1000 g	2000x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0014	HX5.EX-1.4.3000.C8	3000 kg	1000 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0017	HX5.EX-1.4.3000.C8/9	3000 kg	1000 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0020	HX5.EX-1.4.3000.C9	3000 kg	1000 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0021	HX5.EX-1.4.6000.C9	6000 kg	2000 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0023	HX5.EX-1.4.6000.C10	6000 kg	2000 g	1500x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0025	HX5.EX-1.4.6000.C11	6000 kg	2000 g	2000x2000 mm	II 2G Ex ib IIB T4 Gb

Stainless Steel Platform Scales, Pit Version



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-008-0026	HX5.EX-1.4.60.H6/Z	60 kg	20 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0027	HX5.EX-1.4.150.H6/Z	150 kg	50 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0030	HX5.EX-1.4.150.H7/Z	150 kg	50 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0034	HX5.EX-1.4.300.H8/Z	300 kg	100 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0028	HX5.EX-1.4.300.H6/Z	300 kg	100 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0031	HX5.EX-1.4.300.H7/Z	300 kg	100 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0029	HX5.EX-1.4.600.H6/Z	600 kg	200 g	800x800 mm	II 2G Ex ib IIB T4 Gb
WW-008-0032	HX5.EX-1.4.600.H7/Z	600 kg	200 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0035	HX5.EX-1.4.600.H8/Z	600 kg	200 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0033	HX5.EX-1.4.1500.H7/Z	1500 kg	500 g	1000x1000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0036	HX5.EX-1.4.1500.H8/Z	1500 kg	500 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0037	HX5.EX-1.4.3000.H8/Z	3000 kg	1000 g	1200x1200 mm	II 2G Ex ib IIB T4 Gb



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-008-0038	HX5.EX-1.4.300.H8/9/Z	300 kg	100 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0042	HX5.EX-1.4.300.H9/Z	300 kg	100 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0039	HX5.EX-1.4.600.H8/9/Z	600 kg	200 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0043	HX5.EX-1.4.600.H9/Z	600 kg	200 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0047	HX5.EX-1.4.600.H10/Z	600 kg	200 g	1500x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0048	HX5.EX-1.4.1500.H10/Z	1500 kg	500 g	1500x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0040	HX5.EX-1.4.1500.H8/9/Z	1500 kg	500 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0044	HX5.EX-1.4.1500.H9/Z	1500 kg	500 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0049	HX5.EX-1.4.3000.H10/Z	3000 kg	1000 g	1500x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0041	HX5.EX-1.4.3000.H8/9/Z	3000 kg	1000 g	1200x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0045	HX5.EX-1.4.3000.H9/Z	3000 kg	1000 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb
WW-008-0050	HX5.EX-1.4.6000.H10/Z	6000 kg	2000 g	1500x2000 mm	II 2G Ex ib IIB T4 Gb
WW-008-0046	HX5.EX-1.4.6000.H9/Z	6000 kg	2000 g	1500x1500 mm	II 2G Ex ib IIB T4 Gb

Pallet Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-008-0051	HX5.EX-1.4P.600.C	600 kg	200 g	840x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0052	HX5.EX-1.4P.1500.C	1500 kg	500 g	840x1200 mm	II 2G Ex ib IIB T4 Gb
WW-008-0053	HX5.EX-1.4P.3000.C	3000 kg	1000 g	840x1200 mm	II 2G Ex ib IIB T4 Gb

Beam Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-008-0054	HX5.EX-1.4P2.600.C	600 kg	200 g	2 pcs 1,2 m	II 2G Ex ib IIB T4 Gb
WW-008-0055	HX5.EX-1.4P2.1500.C	1500 kg	500 g	2 pcs 1,2 m	II 2G Ex ib IIB T4 Gb
WW-008-0057	HX5.EX-1.4P2.2000.C1	2000 kg	1000 g	2 pcs 2 m	II 2G Ex ib IIB T4 Gb
WW-008-0060	HX5.EX-1.4P2.2000.C2	2000 kg	1000 g	2 pcs 2,5 m	II 2G Ex ib IIB T4 Gb
WW-008-0056	HX5.EX-1.4P2.3000.C	3000 kg	1000 g	2 pcs 1,2 m	II 2G Ex ib IIB T4 Gb
WW-008-0061	HX5.EX-1.4P2.4000.C2	4000 kg	2000 g	2 pcs 2,5 m	II 2G Ex ib IIB T4 Gb
WW-008-0058	HX5.EX-1.4P2.4000.C1	4000 kg	2000 g	2 pcs 2 m	II 2G Ex ib IIB T4 Gb
WW-008-0059	HX5.EX-1.4P2.6000.C1	6000 kg	2000 g	2 pcs 2 m	II 2G Ex ib IIB T4 Gb
WW-008-0062	HX5.EX-1.4P2.6000.C2	6000 kg	2000 g	2 pcs 2,5 m	II 2G Ex ib IIB T4 Gb

Technical Specification

Hazardous Area Endangered with Gas and Dust Explosion

High Resolution Platforms



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions	ATEX Certification
WX-009-0281	PL.16.HRPEX.H	16 kg	0.1 g	0.1 g	360x280 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc
WX-009-0270	PL.32.HRPEX.H	32 kg	0.1 g	0.1 g	360x280 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions	ATEX Certification
WX-009-0282	PL.62.HRPEX.H	62 kg	0.5 g	0.3 g	500x500 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc
WX-009-0283	PL.120.HRPEX.H	120 kg	1 g	0.6 g	500x500 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions	ATEX Certification
WX-009-0284	PL.150.HRPEX.H	150 kg	1 g	1.5 g	800x600 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIC T60°C Dc
WX-009-0285	PL.300.HRPEX.H	300 kg	2 g	3 g	800x600 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions	ATEX Certification
WX-009-0286	PL.300.1.HRP.EX.H	300 kg	2 g	3 g	1000x800 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc
WX-009-0287	PL.600.HRP.EX.H	600 kg	5 g	7.5 g	1000x800 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc
WX-009-0288	PL.1100.HRP.EX.H	1100 kg	10 g	15 g	1000x800 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc
WX-009-0289	PL.2000.HRP.EX.H	2000 kg	20 g	30 g	1250x1000 mm	II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T60°C Dc

Load-Cell Platform Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-007-0001	HX5.EX-1.3.HR2	3 kg	1 g	250x300 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0002	HX5.EX-1.6.HR2	6 kg	2 g	250x300 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0003	HX5.EX-1.15.HR2	15 kg	5 g	250x300 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0004	HX5.EX-1.30.HR2	30 kg	10 g	250x300 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-007-0005	HX5.EX-1.6.HR3	6 kg	2 g	410x410 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0014	HX5.EX-1.15.HR3/5	15 kg	5 g	400x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0006	HX5.EX-1.15.HR3	15 kg	5 g	410x410 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0010	HX5.EX-1.15.HR4	15 kg	5 g	500x500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0018	HX5.EX-1.15.HR5	15 kg	5 g	600x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0011	HX5.EX-1.30.HR4	30 kg	10 g	500x500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0019	HX5.EX-1.30.HR5	30 kg	10 g	600x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0007	HX5.EX-1.30.HR3	30 kg	10 g	410x410 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0015	HX5.EX-1.30.HR3/5	30 kg	10 g	400x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0012	HX5.EX-1.60.HR4	60 kg	20 g	500x500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0020	HX5.EX-1.60.HR5	60 kg	20 g	600x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0005	HX5.EX-1.60.HR3	60 kg	20 g	410x410 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0016	HX5.EX-1.60.HR3/5	60 kg	20 g	400x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0013	HX5.EX-1.150.HR4	150 kg	50 g	500x500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0021	HX5.EX-1.150.HR5	150 kg	50 g	600x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0009	HX5.EX-1.150.HR3	150 kg	50 g	410x410 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-007-0017	HX5.EX-1.150.HR3/5	150 kg	40 g	400x600 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db

Stainless Steel 4-Load-Cell Platform Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-009-0001	HX5.EX-1.4.60.H6	60 kg	20 g	800x800 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0002	HX5.EX-1.4.150.H6	150 kg	50 g	800x800 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0005	HX5.EX-1.4.150.H7	150 kg	50 g	1000x1000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0009	HX5.EX-1.4.300.H8	300 kg	100 g	1200x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0017	HX5.EX-1.4.300.H9	300 kg	100 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0003	HX5.EX-1.4.300.H6	300 kg	100 g	800x800 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-009-0013	HX5.EX-1.4.300.H8/9	300 kg	100 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0006	HX5.EX-1.4.300.H7	300 kg	100 g	1000x1000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0007	HX5.EX-1.4.600.H7	600 kg	200 g	1000x1000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0014	HX5.EX-1.4.600.H8/9	600 kg	200 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0010	HX5.EX-1.4.600.H8	600 kg	200 g	1200x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0018	HX5.EX-1.4.600.H9	600 kg	200 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0004	HX5.EX-1.4.600.H6	600 kg	200 g	800x800 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0022	HX5.EX-1.4.600.H10	600 kg	200 g	1500x2000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0023	HX5.EX-1.4.1500.H10	1500 kg	500 g	1500x2000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0008	HX5.EX-1.4.1500.H7	1500 kg	500 g	1000x1000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0015	HX5.EX-1.4.1500.H8/9	1500 kg	500 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0011	HX5.EX-1.4.1500.H8	1500 kg	500 g	1200x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0019	HX5.EX-1.4.1500.H9	1500 kg	500 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0024	HX5.EX-1.4.3000.H10	3000 kg	1000 g	1500x2000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0012	HX5.EX-1.4.3000.H8	3000 kg	1000 g	1200x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0020	HX5.EX-1.4.3000.H9	3000 kg	1000 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0016	HX5.EX-1.4.3000.H8/9	3000 kg	1000 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0025	HX5.EX-1.4.6000.H10	6000 kg	2000 g	1500x2000 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0021	HX5.EX-1.4.6000.H9	6000 kg	2000 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db

Stainless Steel Ramp Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-009-0026	HX5.EX-1.4N.60.H1	60 kg	20 g	840x860 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0027	HX5.EX-1.4N.150.H1	150 kg	50 g	840x860 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0033	HX5.EX-1.4N.150.H2	150 kg	50 g	1100x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0031	HX5.EX-1.4N.300.H2	300 kg	100 g	1100x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0034	HX5.EX-1.4N.300.H3	300 kg	100 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0028	HX5.EX-1.4N.300.H1	300 kg	100 g	840x860 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0037	HX5.EX-1.4N.300.H4	300 kg	100 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0032	HX5.EX-1.4N.600.H2	600 kg	200 g	1100x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0035	HX5.EX-1.4N.600.H3	600 kg	200 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0029	HX5.EX-1.4N.600.H1	600 kg	200 g	840x860 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0038	HX5.EX-1.4N.600.H4	600 kg	200 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0039	HX5.EX-1.4N.1500.H4	1500 kg	500 g	1500x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0033	HX5.EX-1.4N.1500.H2	1500 kg	500 g	1100x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0036	HX5.EX-1.4N.1500.H3	1500 kg	500 g	1200x1500 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db

Stainless Steel Pallet Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-009-0040	HX5.EX-1.4P.600.H	600 kg	200 g	860x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0041	HX5.EX-1.4P.1500.H	1500 kg	500 g	860x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0042	HX5.EX-1.4P.3000.H	3000 kg	1000 g	860x1200 mm	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db

Stainless Steel Beam Scales



Product Code	Model	Max. capacity	Readability	Weighing pan dimensions	ATEX Certification
WW-009-0043	HX5.EX-1.4P2.600.H	600 kg	200 g	2 pcs 1,2 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0044	HX5.EX-1.4P2.1500.H	1500 kg	500 g	2 pcs 1,2 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0049	HX5.EX-1.4P2.2000.H2	2000 kg	1000 g	2 pcs 2,5 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0046	HX5.EX-1.4P2.2000.H1	2000 kg	1000 g	2 pcs 2 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0045	HX5.EX-1.4P2.3000.H	3000 kg	1000 g	2 pcs 1,2 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0050	HX5.EX-1.4P2.4000.H2	4000 kg	2000 g	2 pcs 2,5 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0047	HX5.EX-1.4P2.4000.H1	4000 kg	2000 g	2 pcs 2 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0048	HX5.EX-1.4P2.6000.H1	6000 kg	2000 g	2 pcs 2 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db
WW-009-0051	HX5.EX-1.4P2.6000.H2	6000 kg	2000 g	2 pcs 2,5 m	II 2G Ex ib IIC T4 Gb II 2D Ex ib IIIC T135°C Db

Technical Specification

Communication Module



Product Code	Model	Protection class	interfaces	ATEX Certification
WX-016-0133	IM01.EX-1	IP 66 / IP 68 (1.5m)	2x RS232, USB, 4 IN, 4 OUT (digital), Ethernet	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db
WX-016-0134	IM01.EX-2	IP 66 / IP 68 (1.5m)	2x RS232, USB, 4 IN, 4 OUT (digital), Ethernet, Analog output 4-20mA/0-10V	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db
WX-016-0135	IM01.EX-3	IP 66 / IP 68 (1.5m)	2x RS232, USB, Ethernet, 12 IN, 12 OUT (digital)	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db
WX-016-0136	IM01.EX-4	IP 66 / IP 68 (1.5m)	2x RS232, USB, 4 IN, 4 OUT (digital), Ethernet, Profibus DP	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db
WX-016-0137	IM01.EX-5	IP 66 / IP 68 (1.5m)	2x RS232, USB, 4 IN, 4 OUT (digital), PROFINET	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db
WX-016-0140	IM01.EX-8	IP 66 / IP 68 (1.5m)	2x RS232, USB, 4 IN, 4 OUT (digital), Ethernet, PROFINET, RS485	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db
-WX-016-0170	IM01.EX-9	IP 66 / IP 68 (1.5m)	2x RS232, USB, 4 IN, 4 OUT (digital), ETHERNET IP	II (2)G [Ex ib] IIC Gb II (2)D [Ex ib] IIIC Db

Technical Specification

Intrinsically Safe Power Supply Intended for Ex Scale



Product Code	Model	Protection class	Power consumption	Compatible	Working in zones	ATEX Certification
WX-004-0215	PM01.EX-1	IP66 / IP68	15 W	HX5.EX indicator	Operation in hazardous area	II 2G Ex eb mb [ib] IIC T4 Gb II 2D Ex tb [ib] IIIC T70°C Db
WX-004-0203	PM01.EX-2	IP66 / IP68	15 W	HX5.EX indicator	Operation outside hazardous area	II (2)G [Ex ib Gb] IIC II (2)D [Ex ib Db] IIIC
WX-004-0257	PM02.EX-1-2	IP66 / IP68	15 W	HRP.EX	Operation in hazardous area	II 2G Ex eb mb [ib] IIC T4 Gb II 2D Ex tb [ib] IIIC T70°C Db
WX-004-0258	PM02.EX-2-2	IP66 / IP68	15 W	HRP.EX	Operation outside hazardous area	II (2)G [Ex ib Gb] IIC II (2)D [Ex ib Db] IIIC

Compact design
High measurement precision
Easy integration with measuring devices
and into a production line



Magnetoelectric Weighing Modules

PROFESSIONAL HIGH RESOLUTION MODULES FOR LABORATORY

MAGNETOELECTRIC WEIGHING MODULES

Possibility of installation at any place Cooperation with peripheral devices



High Resolution

High resolution is the characteristic feature of the advanced line of MAS, MPS and MUYA weighing modules. Their operation is based on an EMFC converter. the modules are intended to be a component of laboratory workstations and to be integrated into production lines.

Ease of Integration

MAS and MPS's designs enable fast and easy installation at any surface. a weighing terminal is connected to the modules with up to 5-metre long cable facilitating ergonomics of use. Both modules offer option of under-pan weighing.

Precise Measurement

Auto adjustment system ensures accuracy even under changing ambient conditions. the most precise measurement is guaranteed thanks to repeatability of $sd \leq 1d^*$.

Customized Control Panels

Weighing modules are offered with R or Y control panels. the first one has been equipped with LCD and its functionality is equal to functionality of a standard laboratory balance. the second is a multifunctional weighing terminal providing you with applications such as formulations, checkweighing, SQC and differential weighing.

Databases and Alibi Memory


Both panels, R and Y, feature internal databases of products and operators. the databases are secure thanks to implemented modules of Alibi Memory. the panels, being functional devices, provide you with option of easy data import and export.

Communication Interfaces

Offered range of available interfaces enables connecting the printer, fast transfer of data using USB flash drive and cooperation with PC software.

* repeatability is expressed as standard deviation from 10 weighing cycles



The image shows two industrial weighing modules in the foreground, which are grey metal boxes with a flat top surface. In the background, a curved conveyor belt with blue rollers is visible in a factory setting. The text is overlaid on the top left of the image.

Module designed for special tasks
Simple integration into a production line
Fast and precise measurement

Magnetolectric Weighing Modules

PROFESSIONAL MODULES INTENDED FOR INDUSTRY

MAGNETOELECTRIC WEIGHING MODULES

Adaptation to Industrial Environment Cooperation with External Devices



Vast Max Capacity Range

Magnetoelectric weighing modules are intended for mass measurement ranging from 2g to 35kg. Minimum readability of 0.01g guarantees amazing accuracy for your measurement.

Ease of Installation

Compact dimensions and ergonomic installation handles enable easy and fast integration of the module into a production line. Innovative internal design allows control of automation systems installed directly on a weighing pan. Applied solution, i.e. system transferring electric signal to the weighing platform, eliminates necessity to feed external cables disturbing the weighing process.

Fast and Precise Measurement

High measurement accuracy with $sd=1d^*$ guarantees both readout of real weighing results and repeatability of indications. Cutting-edge design solutions provide fast measurement which is an asset allowing to install the module on automated production lines. Intended for fast and dynamic measuring processes the weighing module's converter throughput is 3200 meas./s ******.

Internal Auto-Adjustment

A built-in system of automatic internal adjustment guarantees correct weighing results even for the highest readability. Adjustment is carried out within specified time intervals or with reference to a schedule, it can also be triggered by temperature change. Option of adjustment time setup enables adapting adjustment processes to production line schedule.

Protection Against Challenging Conditions

Hermetic versions of modules feature stainless steel housing with IP65. This allows operation even in the most challenging conditions. Mechanical design lacks sharp edges and gaps which ensures adherence to HACCP, GMP and FDA standards for safety and quality of operation.

Cooperation with Terminals

Connecting the module to a multifunctional weighing terminal expands communication interfaces range and increases usage in industrial applications.

* repeatability is expressed as standard deviation from 10 weighing cycles

**option



Technical Specification

Laboratory Modules

Modules MAS



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0066	MAS 220	220 g	0.1 mg	0.1 mg	ø42 mm
WX-016-0067	MAS 220.R	220 g	0.1 mg	0.1 mg	ø42 mm

Modules MAS1



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0146	MAS.1.21	21 g	0.01 mg	0.012 mg	ø33 mm
WX-016-0147	MAS.1.21.R	21 g	0.01 mg	0.012 mg	ø33 mm
WX-016-0149	MAS.1.51	51 g	0.01 mg	0.012 mg	ø33 mm
WX-016-0150	MAS.1.51.R	51 g	0.01 mg	0.012 mg	ø33 mm
WX-016-0164	MAS.1.82/220	82 / 220 g	0.01 / 0.1 mg	0.02 mg	ø42 mm
WX-016-0165	MAS.1.82/220.R	82 / 220 g	0.01 / 0.1 mg	0.02 mg	ø42 mm

Modules MPS



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0235	MPS 2000	2000 g	1 mg	0.5 mg	ø115 mm
WX-016-0237	MPS 2000.R	2000 g	1 mg	0.5 mg	ø115 mm
WX-016-0069	MPS 6000	6000 g	10 mg	15 mg	ø115 mm
WX-016-0070	MPS 6000.R	6000 g	10 mg	15 mg	ø115 mm

Modules MUYA



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0112	MUYA 2.4Y	2.1 g	0.1 µg	0.25 µg	ø16 mm
WX-016-0113	MUYA 5.4Y	5.1 g	1 µg	0.7 µg	ø26 mm

Technical Specification

Industrial Modules

Modules MWSH



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0108	MWLH 10	10 kg	0.01 g	0.01 g	212x174 mm
WX-016-0109	MWLH 25	25 kg	0.1 g	0.1 g	212x174 mm
WX-016-0110	MWLH 30	30 kg	0.1 g	0.1 g	212x174 mm

Modules MWMH



Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0061	MWMH 100-1	1 kg	0.1 g	0.01 g	212x174 mm
WX-016-0216	MWMH 100-2	1 kg	0.1 g	0.01 g	212x174 mm
WX-016-0217	MWMH 100-3	1 kg	0.1 g	0.01 g	212x174 mm
WX-016-0218	MWMH 100-4	1 kg	0.1 g	0.01 g	212x174 mm
WX-016-0083	MWMH 200-1	2 kg	0.2 g	0.1 g	212x174 mm
WX-016-0220	MWMH 200-2	2 kg	0.2 g	0.1 g	212x174 mm
WX-016-0221	MWMH 200-3	2 kg	0.2 g	0.1 g	212x174 mm
WX-016-0222	MWMH 200-4	2 kg	0.2 g	0.1 g	212x174 mm
WX-016-0114	MWMH 500-1	5 kg	0.5 g	0.1 g	212x174 mm
WX-016-0224	MWMH 500-2	5 kg	0.5 g	0.1 g	212x174 mm
WX-016-0225	MWMH 500-3	5 kg	0.5 g	0.1 g	212x174 mm
WX-016-0226	MWMH 500-4	5 kg	0.5 g	0.1 g	212x174 mm
WX-016-0229	MWMH 1000-3	10 kg	1 g	0.1 g	212x174 mm
WX-016-0230	MWMH 1000-4	10 kg	1 g	0.1 g	212x174 mm
WX-016-0062	MWMH 1000-1	10 kg	1 g	0.1 g	212x174 mm
WX-016-0228	MWMH 1000-2	10 kg	1 g	0.1 g	212x174 mm

Modules MWLH 10



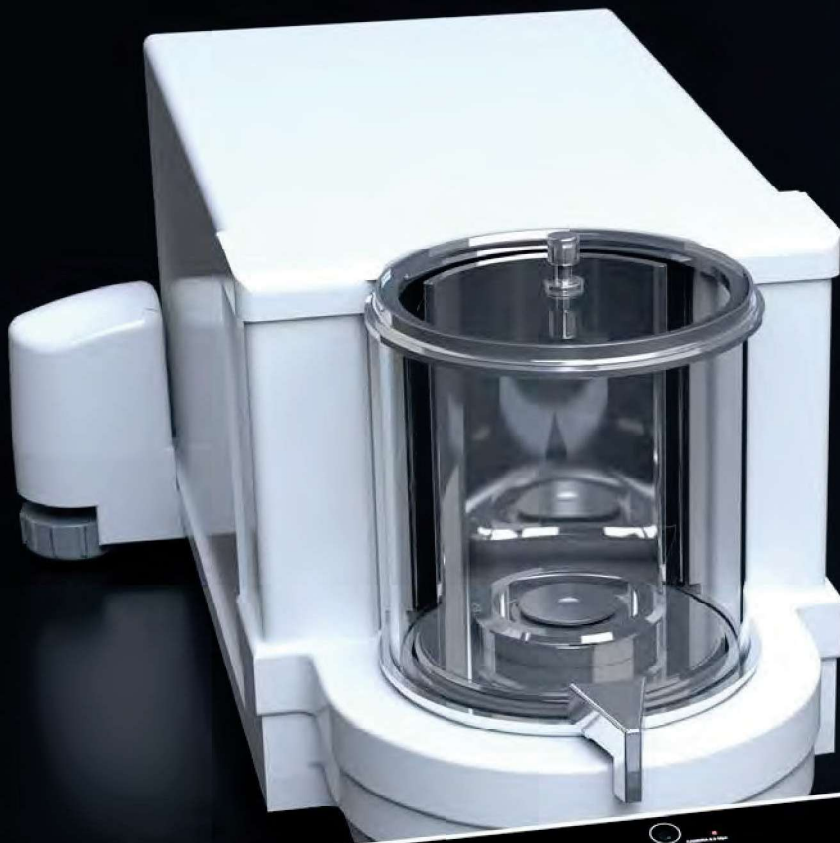
Product Code	Model	Max. capacity	Readability	Repeatability	Weighing pan dimensions
WX-016-0106	MWSH 6000	6000 g	0.01 g	15 mg	100x100 mm



PRODUCT CATALOGUE

ADVANCED WEIGHING TECHNOLOGIES





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