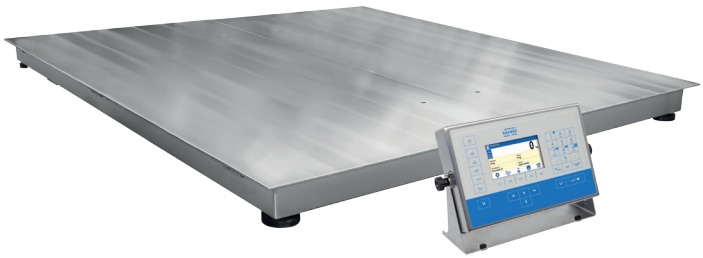
Stainless Steel HX5.EX-1.4 H/Z 4 Load Cell Scale for Hazardous Areas, Pit Version

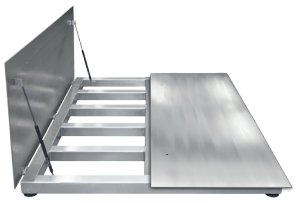
Weighing process of large and heavy loads
in gas hazardous areas and in moist environment



HX5.EX H /Z

Intrinsically safe communication interfaces and hermetic connectors in stainless steel housing

ATEX approval



Opened weighing pan

PUE HX5.EX-1 indicator with 5" colour graphic display

Functions

- Parts counting
- Percent weighing
- GLP procedures
- Labelling
- Replaceable units
- +/- control
- Statistics
- Alibi memory
- ATEX certificate
- Multilingual menu
- Dosing

Features

Precise Weighing Indications in Challenging Industrial Conditions
Mass measurement carried out using 4 load cells guarantees weighing accuracy regardless positioning of the load on the platform. The scale ensures precise and fast mass measurement in challenging industrial conditions.

Safety and Resistance to Ambient Conditions
Robust platform made of stainless steel allows to operate large loads in moist environment and at direct contact with water. The scale ensures safety of operation in hazardous areas classified as zones 1 and 2.

Versatility of Use
The scale can be embedded in the ground which enables easy transport of the loads without a necessity for ramps application. Opened weighing pan enables easy access to scale mechanical design. This option is useful for maintenance purposes and allows to keep the scale clean.

Cooperation with PUE HX5.EX Indicator
The scale can be operated via advanced PUE HX5.EX indicator with a hermetic stainless steel housing. ATEX certificate guarantees safe operation of the indicator in hazardous areas.

Uncomplicated Operation and Clear Presentation of Indications
5" colour screen ensures perfect readability, and intuitive information arrangement on the display guarantees uncomplicated and comfortable operation. Graphic user interface with the option of customization via widgets also adds to the comfort of operation.

Certified Intrinsically Safe Power Supply
The scale must be powered using exclusively a certified intrinsically safe power supply. Two versions of intrinsically safe power supply are offered, one for operation in hazardous area (PM01.EX-1 power supply), one in safe area (PM01.EX-2 power supply).

Cooperation with External Devices
With use of IM01.EX communication module it is possible to expand communication interfaces range. The module facilitates cooperation with various accessories, e.g. barcode scanners, printers, controlling/signalling devices.

Customizable Instrument
Numerous variants of weighing pan dimensions and broad range of maximum capacities enable selecting the best weighing instrument suiting specific requirements and needs.

Technical Specifications

	HX5.EX-1.4.60.H6/Z	HX5.EX-1.4.150.H6/Z*	HX5.EX-1.4.300.H6/Z*
Maximum capacity [Max]	60 kg	150 kg	300 kg
Minimum capacity	0.4 kg	1 kg	2 kg
Readability [d]	20 g	50 g	100 g
Max readability for non-verified scale	20 g	20 g	20 g
Verification unit [e]	20 g	0.05 kg	100 g
Tare range	–60 kg	–150 kg	–300 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 67	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	800 × 800 mm	800 × 800 mm	800 × 800 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	65 kg	65 kg	65 kg
Gross weight******	105 kg	105 kg	105 kg
Platform packaging dimensions	1000 × 1000 × 438 mm	1000 × 1000 × 438 mm	1000 × 1000 × 438 mm
Frame weight	10 kg	16 kg	16 kg

* option: dual range weighing instrument

** The weighing must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.600.H6/Z*	HX5.EX-1.4.150.H7/Z	HX5.EX-1.4.300.H7/Z*
Maximum capacity [Max]	600 kg	150 kg	300 kg
Minimum capacity	4 kg	1 kg	2 kg
Readability [d]	200 g	50 g	100 g
Max readability for non-verified scale	50 g	20 g	20 g
Verification unit [e]	200 g	50 g	100 g
Tare range	–600 kg	–150 kg	–300 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	800 × 800 mm	1000 × 1000 mm	1000 × 1000 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	65 kg	90 kg	90 kg
Gross weight******	105 kg	135 kg	135 kg
Platform packaging dimensions	1000 × 1000 × 438 mm	1200 × 1200 × 438 mm	1200 × 1200 × 438 mm
Frame weight	16 kg	18 kg	18 kg

* option: dual range weighing instrument

** The weighing must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.600.H7/Z*	HX5.EX-1.4.1500.H7/Z*	HX5.EX-1.4.300.H8/Z
Maximum capacity [Max]	600 kg	1500 kg	300 kg
Minimum capacity	4 kg	10 kg	10 kg
Readability [d]	200 g	500 g	500 g
Max readability for non-verified scale	50 g	100 g	100 g
Verification unit [e]	200 g	500 g	500 g
Tare range	–600 kg	–1500 kg	–1500 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	1000 × 1000 mm	1000 × 1000 mm	1200 × 1200 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	90 kg	100 kg	130 kg
Gross weight******	135 kg	145 kg	185 kg
Platform packaging dimensions	1200 × 1200 × 438 mm	1200 × 1200 × 438 mm	1400 × 1400 × 438 mm
Frame weight	18 kg	18 kg	20 kg

* option: dual range weighing instrument

** The weighing must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.600.H8/Z*	HX5.EX-1.4.1500.H8/Z*	HX5.EX-1.4.3000.H8/Z*
Maximum capacity [Max]	600 kg	1500 kg	3000 kg
Minimum capacity	4 kg	10 kg	20 kg
Readability [d]	200 g	500 g	1000 g
Max readability for non-verified scale	50 g	100 g	200 g
Verification unit [e]	200 g	500 g	1000 g
Tare range	–600 kg	–1500 kg	–3000 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	1200 × 1200 mm	1200 × 1200 mm	1200 × 1200 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	130 kg	130 kg	135 kg
Gross weight******	185 kg	185 kg	195 kg
Platform packaging dimensions	1400 × 1400 × 438 mm	1400 × 1400 × 438 mm	1400 × 1400 × 458 mm
Frame weight	20 kg	20 kg	27 kg

* option: dual range weighing instrument

** the scale must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.300.H8/9/Z	HX5.EX-1.4.600.H8/9/Z*	HX5.EX-1.4.1500.H8/9/Z*
Maximum capacity [Max]	300 kg	600 kg	1500 kg
Minimum capacity	2 kg	4 kg	10 kg
Readability [d]	100 g	200 g	500 kg
Max readability for non-verified scale	20 g	50 g	100 g
Verification unit [e]	100 g	50 g	500 g
Tare range	–3000 kg	–600 kg	–1500 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	1200 × 1500 mm	1200 × 1500 mm	1200 × 1500 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	160 kg	160 kg	160 kg
Gross weight******	225 kg	225 kg	225 kg
Platform packaging dimensions	1700 × 1400 × 438 mm	1700 × 1400 × 438 mm	1700 × 1400 × 438 mm
Frame weight	21 kg	21 kg	21 kg

* option: dual range weighing instrument

** The weighing must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.3000.H8/9/Z	HX5.EX-1.4.300.H9/Z	HX5.EX-1.4.600.H9/Z*
Maximum capacity [Max]	3000 kg	300 kg	600 kg
Minimum capacity	20 kg	2 kg	4 kg
Readability [d]	1000 g	100 g	200 g
Max readability for non-verified scale	200 g	50 g	50 g
Verification unit [e]	1000 g	100 g	200 g
Tare range	–3000 kg	–1500 kg	–600 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	1500 × 1500 mm	1500 × 1500 mm	1500 × 1500 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	165 kg	195kg	195kg
Gross weight******	235 kg	255 kg	255 kg
Platform packaging dimensions	1700 × 1400 × 458 mm	1700 × 1700 × 438 mm	1700 × 1700 × 438 mm
Frame weight	21 kg	23 kg	23 kg

* option: dual range weighing instrument

** the scale must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.1500.H9/Z*	HX5.EX-1.4.3000.H9/Z*	HX5.EX-1.4.6000.H9/Z*
Maximum capacity [Max]	1500 kg	3000 kg	6000 kg
Minimum capacity	10 kg	20 kg	40 kg
Readability [d]	500 g	1000 g	2000 g
Max readability for non-verified scale	100 g	200 g	500 g
Verification unit [e]	500 g	1000 g	2000 g
Tare range	–1500 kg	–3000 kg	–6000 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	1500 × 1500 mm	1500 × 1500 mm	1500 × 1500 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	195kg	205 kg	205 kg
Gross weight******	255 kg	275 kg	275 kg
Platform packaging dimensions	1700 × 1700 × 438 mm	1700 × 1700 × 458 mm	1700 × 1700 × 458 mm
Frame weight	23 kg	31 kg	31 kg

* option: dual range weighing instrument

** The weighing must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.600.H10/Z	HX5.EX-1.4.1500.H10/Z*	HX5.EX-1.4.3000.H10/Z*
Maximum capacity [Max]	600 kg	1500 kg	3000 kg
Minimum capacity	4 kg	10 kg	20 kg
Readability [d]	200 g	500 g	1000 g
Max readability for non-verified scale	50 g	100 g	200 g
Verification unit [e]	200 g	500 g	1000 g
Tare range	–600 kg	–1500 kg	–3000 kg
Verification	Yes	Yes	Yes
OIML class	III	III	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2	zones 1 and 2	zones 1 and 2
Platform material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel	AISI304 stainless steel	AISI304 stainless steel
Indicator fastening	3 m cable	3 m cable	3 m cable
Display	5" graphic display	5" graphic display	5" graphic display
Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys
Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1
Ingress protection - platform	IP 68	IP 68	IP 68
Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68
RS 232	2	2	2
RS 485	1	1	1
Power supply**	230V AC	230V AC	230V AC
Power consumption	15 W	15 W	15 W
Operating temperature	–10 ÷ +40 °C	–10 ÷ +40 °C	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C	–10 ÷ +50 °C	–10 ÷ +50 °C
Weighing pan dimensions	1500 × 2000 mm	1500 × 2000 mm	1500 × 2000 mm
Indicator dimensions	329 × 231 × 120 mm	329 × 231 × 120 mm	329 × 231 × 120 mm
Net weight******	290 kg	290 kg	290 kg
Gross weight******	375 kg	375 kg	375 kg
Platform packaging dimensions	2200 × 1700 × 458 mm	2200 × 1700 × 458 mm	2200 × 1700 × 458 mm
Frame weight	35 kg	35 kg	35 kg

* option: dual range weighing instrument

** the scale must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4.6000.H10/Z
Maximum capacity [Max]	6000 kg
Minimum capacity	40 kg
Readability [d]	2000 g
Max readability for non-verified scale	500 g
Verification unit [e]	2000 g
Tare range	–6000 kg
Verification	Yes
OIML class	III
EX approval	ATEX : KDB 17ATEX0066X IECEX: IECEx OBAC 19.0001X
EX marking	II 2G Ex ib IIB T4 Gb
Hazardous areas classification	zones 1 and 2
Platform material	AISI304 stainless steel
Weighing pan material	AISI304 stainless steel
Indicator fastening	3 m cable
Display	5" graphic display
Keyboard	membrane, 35 keys
Indicator	PUE HX5.EX-1
Ingress protection - platform	IP 68
Ingress protection - indicator	IP 66/68
RS 232	2
RS 485	1
Power supply**	230V AC
Power consumption	15 W
Operating temperature	–10 ÷ +40 °C
Relative humidity ***	10 ÷ 85%
Transport and storage temperature	–10 ÷ +50 °C
Weighing pan dimensions	1500 × 2000 mm
Indicator dimensions	329 × 231 × 120 mm
Net weight****	355 kg
Gross weight****	445 kg
Platform packaging dimensions	2200 × 1700 × 508 mm
Frame weight	35 kg

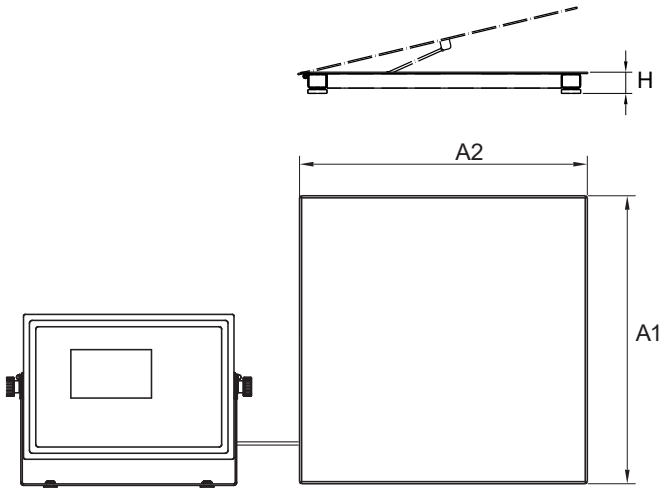
* option: dual range weighing instrument

** The unit must be powered using dedicated PM01EX-1 power supply (intended for operation in hazardous area) or PM01EX-2 power supply (intended for operation in)

*** non-condensing conditions

**** mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

Dimensions

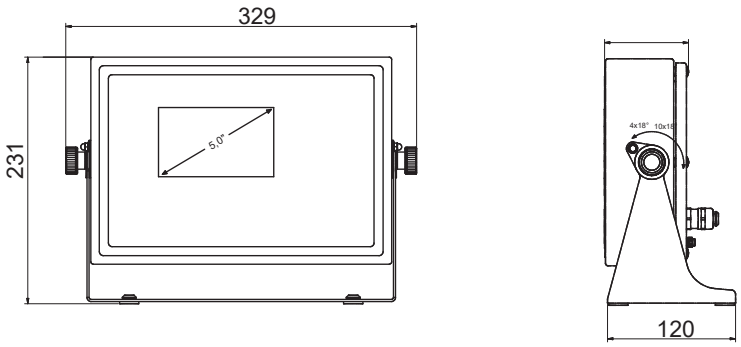


Scale type	A1	A2	H
HX5.EX-1 H6/Z	800	800	88±2
HX5.EX-1 H7/Z	1000	1000	88±2
HX5.EX-1 H8/Z	1200	1200	88±2
HX5.EX-1 H8/Z*	1200	1200	111±2
HX5.EX-1 H 8/9/Z	1200	1500	88±2
HX5.EX-1 H8/9Z*	1200	1500	111±2
HX5.EX-1 H9/Z	1500	1500	88±2
HX5.EX-1 H9/Z*	1500	1500	111±2
HX5.EX-1 H10/Z	1500	2000	111±2
HX5.EX-1 H10/Z**	1500	2000	166±2

dimensions in mm

* Max ≥ 3000

** Max ≥ 6000



PUE HX5.EX-1

Accessories

Peripheral Devices
- IM01EX-1 communication module

Electrical Accessories
- PM01.EX-1 power supply (for operation in hazardous area)
- PM01.EX-2 power supply (for operation in safe area)

Remaining accessories
- stands for indicators

Dedicated Software

R-LAB
- collecting measurements
- carrying out statistical analysis of measurements
- customized graphs and reports

E2R Weighing Records
- complete, automated databases synchronization
- fully supported processes of labelling and parts counting
- record of weighings, weighings archiving

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

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

RAD KEY
- Establishing cooperation between a weighing instrument and a computer

R.Barcode
- The basic function software is presentation of the data sent by barcode scanners connected to PC via USB or RS232

LabView Driver
- operation of RADWAG balances in LabView environment