HX5.EX-1.4P2 Beam Scale for Hazardous Areas



Precise weighing of pallets and large loads in gas hazardous areas







Intrinsically safe communication interfaces and hermetic connectors in stainless steel housing



ATEX approval







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

HX5.EX-1.4P2 **Functions**



counting

+/- control

Dosing



Percent weighing



Statistics



procedures



Alibi memory



Labelling





Replaceable





Features

Precise Weighing Results in 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 industrial conditions.

Reliability and Safety

Robust scale made of powder-coated steel allows to weight large loads, ensuring durability and endurance in everyday use. The scale ensures safety of operation in hazardous areas classified as zones 1 and 2

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.

Ergonomics and Comfort of Operation

Good quality handles enable comfortable transport of the scale.

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Technical Specifications

Minimum capacity 4 kg 10 kg 20 kg Readability (d) 200 g 500 g 1000 g Verification unit (e) 200 g 500 g 1000 g Tare range −600 kg −150 kg −3000 kg Verification Yes Yes Yes OIML class III III III EX approval ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ECEX : ICEX BAC 19.0001X ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (ECEX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X) ATEX : KDB 17 ATEX.0066X (IECX : ICEX BAC 19.0001X)		HX5.EX-1.4P2.600.C	HX5.EX-1.4P2.1500.C	HX5.EX-1.4P2.3000.C	
Readability [d] 200 g 500 g 1000 g Verification unit [e] 200 g 500 g 1000 g Tare range -600 kg -1500 kg -3000 kg Verification Yes Yes Yes Verification Yes Yes Yes Unful class III III III EX approval ATEX: KDB 17ATEX0066X IECEX: IECEX 0BAC 190001X ATEX: KDB 17ATEX0066X IECEX: IECEX 0BAC 190001X IECEX: IECEX 0BAC 190001X EX marking II 2G Ex ib IBT4 Gb Hazardous areas classification zones 1 and 2 zones 1 and 2 zones 1 and 2 zones 1 and 2 Platform material St3S powder-coated steel	Maximum capacity [Max]	600 kg	1500 kg	3000 kg	
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 [ECEX: IECEX OBAC 19.0001X] ATEX: KDB 17ATEX0066X [ECEX: IECEX OBAC 19.0001X] IECEX: IECEX OBAC 19.0001X EX marking II 2G Exi bilBT4 Gb Hazardous areas classification 20nes 1 and 2 zones 2 and 2 stall point	Minimum capacity	4 kg	10 kg	20 kg	
Tare range −600 kg −1500 kg −3000 kg Verification Yes Yes Yes OIML class III III III III EX approval ATEX : KDB 17ATEX0066X IECEX: IECEX OBAC 19,0001X ATEX : KDB 17ATEX0066X IECEX: IECEX OBAC 19,0001X IECEX: IECEX OBAC 19,0001X IECEX: IECEX OBAC 19,0001X EX marking II 2G Ex ib IIB T4 Gb III 2G Ex ib IIB T4 Gb II 2G Ex ib IIB T4 Gb III 2G Ex ib IIB T4 Gb II 2G Ex ib IIB T4 Gb II 2G Ex ib IIB T4 Gb II 2G Ex ib IIB T4 Gb	Readability [d]	200 g	500 g	1000 g	
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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 PUE HX5.EX-1 Ingress protection - platform IP 65 IP 66 IP 66 IP 66/68 IP 66/68 IP 66/68 RS 232 2 2 2 2 2 2 2 2 2 30V AC 230V AC 200 Poerating temperature 10 ÷ 40 °C −10 ÷ +40 °C −10 ÷ +40 °C −10 ÷ +40 °C −10 ÷ +40 °C −10 ÷ +50 °C −20 ÷ +50 °C	Platform material	St3S powder-coated steel	St3S powder-coated steel	St3S powder-coated steel	
Display 5" graphic 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 65 IP 65 IP 65 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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 beams, 1.2 m	Weighing pan material	St3S powder-coated steel	St3S powder-coated steel	St3S powder-coated steel	
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 65 IP 65 IP 66/68 Ingress protection - indicator IP 66/68 IP 66/68 IP 66/68 IP 66/68 RS 232 2 2 2 2 RS 485 1 1 1 1 Power supply** 230V AC 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 −10 ÷ +40 °C Relative humidity *** 10 ÷ 85% 10 ÷ 85% 10 ÷ 85% 10 ÷ 85% Transport and storage temperature −10 ÷ +50 °C −10 ÷ +50 °C −10 ÷ +50 °C −10 ÷ +50 °C Weighing pan dimensions 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) (distance between beams up to 5 m) 41 kg 41 kg 41 kg	Indicator fastening	3 m cable	3 m cable	3 m cable	
Indicator PUE HX5.EX-1 PUE HX5.EX-1 PUE HX5.EX-1 Ingress protection - platform IP 65 IP 65 IP 65 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 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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) (distance between beams up to 5 m) (distance between beams up to 5 m) Indicator dimensions 226 × 250 × 120 mm Net weight***** 41 kg 41 kg 41 kg 41 kg Gross weight****** 56 kg 56 kg 56 kg	Display	5" graphic display	5" graphic display	5" graphic display	
Ingress protection - platform IP 65 IP 66/68 IP 66/68 IP 66/68 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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 construction of the service	Keyboard	membrane, 35 keys	membrane, 35 keys	membrane, 35 keys	
Ingress protection - indicator IP 66/68 IP 66/68 IP 66/68 RS 232 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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) Indicator dimensions 226 × 250 × 120 mm Net weight***** 41 kg 41 kg 41 kg 41 kg Gross weight***** 56 kg 56 kg 56 kg	Indicator	PUE HX5.EX-1	PUE HX5.EX-1	PUE HX5.EX-1	
RS 232 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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) Indicator dimensions 226 × 250 × 120 mm 226 × 250 × 120 mm 226 × 250 × 120 mm 41 kg Net weight**** 41 kg 41 kg 41 kg 56 kg	Ingress protection - platform	IP 65	IP 65	IP 65	
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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) Indicator dimensions 226 × 250 × 120 mm 226 × 250 × 120 mm 226 × 250 × 120 mm 41 kg Net weight**** 41 kg 41 kg 56 kg 56 kg	Ingress protection - indicator	IP 66/68	IP 66/68	IP 66/68	
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 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) 2 beams, 1.2 m long (distance between beams up to 5 m) (distance between beams up to 5 m) Indicator dimensions 226 × 250 × 120 mm Net weight**** 41 kg 41 kg 41 kg 41 kg Gross weight***** 56 kg 56 kg 56 kg	RS 232	2	2	2	
Power consumption $15 \mathrm{W}$ $15 \mathrm{W}$ $15 \mathrm{W}$ Operating temperature $-10 \div +40 ^{\circ}\mathrm{C}$ $-10 \div +40 ^{\circ}\mathrm{C}$ $-10 \div +40 ^{\circ}\mathrm{C}$ Relative humidity *** $10 \div 85\%$ $10 \div 85\%$ $10 \div 85\%$ Transport and storage temperature $-10 \div +50 ^{\circ}\mathrm{C}$ $-10 \div +50 ^{\circ}\mathrm{C}$ $-10 \div +50 ^{\circ}\mathrm{C}$ Weighing pan dimensions $2 \mathrm{beams}, 1.2 \mathrm{m} \mathrm{long}$ (distance between beams up to $5 \mathrm{m}$) $2 \mathrm{beams}, 1.2 \mathrm{m} \mathrm{long}$ (distance between beams up to $5 \mathrm{m}$) $2 \mathrm{beams}, 1.2 \mathrm{m} \mathrm{long}$ (distance between beams up to $5 \mathrm{m}$)Indicator dimensions $226 \times 250 \times 120 \mathrm{mm}$ Net weight***** $41 \mathrm{kg}$ $41 \mathrm{kg}$ $41 \mathrm{kg}$ $41 \mathrm{kg}$ Gross weight***** $56 \mathrm{kg}$ $56 \mathrm{kg}$ $56 \mathrm{kg}$	RS 485	1	1	1	
Operating temperature $-10 \div +40 \degree \text{C}$ Relative humidity *** $10 \div 85\%$ $10 \div 85\%$ $10 \div 85\%$ Transport and storage $-10 \div +50 \degree \text{C}$ $-10 \div +50 \degree \text{C}$ $-10 \div +50 \degree \text{C}$ temperature Weighing pan dimensions $2 \text{ beams, } 1.2 \text{ m long}$ $(\text{distance between beams up to } 5 \text{ m})$ $(\text{distance between beams up to } 5 \text{ m})$ Indicator dimensions $226 \times 250 \times 120 \text{ mm}$ $226 \times 250 \times 120 \text{ mm}$ $226 \times 250 \times 120 \text{ mm}$ Net weight**** 41 kg 41 kg 41 kg 56 kg 56 kg	Power supply**	230V AC	230V AC	230V AC	
Relative humidity *** $10 \div 85\%$ $10 \div 85\%$ $10 \div 85\%$ $10 \div 85\%$ Transport and storage temperature Weighing pan dimensions $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}}$ $2 \text{ beams, } 1.2 \text{ m long (distance between beams up to 5 m)}$ $2 \text{ beams, } 1.2 m long (distance betwee$	Power consumption	15 W	15 W	15 W	
Transport and storage temperature $-10 \div +50 ^{\circ}\text{C}$ $-10 \div +50 ^{\circ}\text{C}$ $-10 \div +50 ^{\circ}\text{C}$ Weighing pan dimensions2 beams, 1.2 m long (distance between beams up to 5 m)2 beams, 1.2 m long (distance between beams up to 5 m)2 beams, 1.2 m long (distance between beams up to 5 m)Indicator dimensions $226 \times 250 \times 120 \text{mm}$ $226 \times 250 \times 120 \text{mm}$ $226 \times 250 \times 120 \text{mm}$ Net weight****41 kg41 kg41 kgGross weight****56 kg56 kg56 kg	Operating temperature	−10 ÷ +40 °C	−10 ÷ +40 °C	−10 ÷ +40 °C	
temperatureWeighing pan dimensions2 beams, 1.2 m long (distance between beams up to 5 m)2 beams, 1.2 m long (distance between beams up to 5 m)2 beams, 1.2 m long (distance between beams up to 5 m)Indicator dimensions226 × 250 × 120 mm226 × 250 × 120 mm226 × 250 × 120 mmNet weight****41 kg41 kg41 kgGross weight****56 kg56 kg56 kg	Relative humidity ***	10 ÷ 85%	10 ÷ 85%	10 ÷ 85%	
Indicator dimensions 226 × 250 × 120 mm Net weight**** 41 kg 41 kg 41 kg 41 kg Gross weight**** 56 kg 56 kg 56 kg		-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C	
Net weight**** 41 kg 41 kg 41 kg Gross weight**** 56 kg 56 kg 56 kg	Weighing pan dimensions	•	9	9	
Gross weight**** 56 kg 56 kg 56 kg	Indicator dimensions	226 × 250 × 120 mm	226 × 250 × 120 mm	226 × 250 × 120 mm	
	Net weight****	41 kg	41 kg	41 kg	
Platform packaging dimensions 1400 × 400 × 458 mm	Gross weight****	56 kg	56 kg	56 kg	
	Platform packaging dimensions	1400 × 400 × 458 mm	1400 × 400 × 458 mm	1400 × 400 × 458 mm	

^{*} option: dual range weighing instrument

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^{**} 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-1.4P2.2000.C1	HX5.EX-1.4P2.4000.C1	HX5.EX-1.4P2.6000.C1	
Maximum capacity [Max]	2000 kg	4000 kg	6000 kg	
Minimum capacity	20 kg	40 kg	40 kg	
Readability [d]	1000 g	2000 g	2000 g	
Verification unit [e]	1000 g	2000 g	2000 g	
Tare range	–2000 kg	-4000 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	St3S powder-coated steel	St3S powder-coated steel	St3S powder-coated steel	
Weighing pan material	St3S powder-coated steel	St3S powder-coated steel	St3S powder-coated 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 65	IP 65	IP 65	
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	2 beams, 2 m long (distance between beams up to 5 m)	2 beams, 2 m long (distance between beams up to 5 m)	2 beams, 2 m long (distance between beams up to 5 m)	
Indicator dimensions	226 × 250 × 120 mm	226 × 250 × 120 mm	226 × 250 × 120 mm	
Net weight****	63 kg	101 kg	101 kg	
Gross weight****	85 kg	123 kg	123 kg	
Platform packaging dimensions	2200 × 400 × 458 mm	2200 × 400 × 458 mm	$2200 \times 400 \times 458 \text{ mm}$	

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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 **

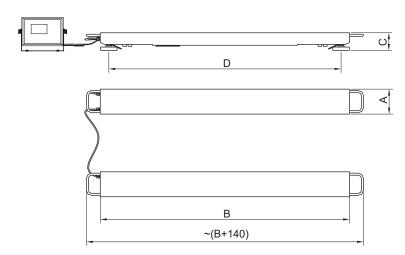
mass given for the packaging containing both PUE HX5.EX indicator and PM01.EX power supply

	HX5.EX-1.4P2.2000.C2	HX5.EX-1.4P2.4000.C2 HX5.EX-1.4P2.6000.C2		
Maximum capacity [Max]	2000 kg	4000 kg	6000 kg	
Minimum capacity	20 kg	40 kg	40 kg	
Readability [d]	1000 g	2000 g	2000 g	
Verification unit [e]	1000 g	2000 g	2000 g	
Tare range	–2000 kg	–4000 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	St3S powder-coated steel	St3S powder-coated steel	St3S powder-coated steel	
Weighing pan material	St3S powder-coated steel	St3S powder-coated steel	St3S powder-coated 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 65	IP 65	IP 65	
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	2 beams, 2.5 m long (distance between beams up to 5 m)	2 beams, 2.5 m long (distance between beams up to 5 m)	2 beams, 2.5 m long (distance between beams up to 5 m)	
Indicator dimensions	226 × 250 × 120 mm	226 × 250 × 120 mm	226 × 250 × 120 mm	
Net weight****	75 kg	115 kg	143 kg	
Gross weight****	103 kg	143kg	171 kg	
Platform packaging dimensions	2700 × 400 × 458 mm	2700 × 400 × 458 mm	$2700 \times 400 \times 458 \text{ mm}$	

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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



Scale type	Α	В	С	D
HX5.EX-1.4P2 600C	120	1200	85	1100
HX5.EX-1.4P2 1500C	120	1200	85	1100
HX5.EX-1.4P2 3000C	120	1200	85	1100
HX5.EX-1.4P2 2000C1	120	2000	105	1900
HX5.EX-1.4P2 2000C2	120	2500	105	2400
HX5.EX-1.4P2 4000C1	120	2000	155	1880
HX5.EX-1.4P2 4000C2	120	2500	155	2380
HX5.EX-1.4P2 6000C1	120	2000	155	1880
HX5.EX-1.4P2 6000C2	120	2500	155	2380

dimensions in mm

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

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