

The WZA-EX series

OEM weigh cells



OEM Weigh Cell

Explosion protected

WZA6202-X

ATEX, FM and CSA approved

Outstanding features:

Explosion protected weigh cell for use in hazardous areas

- Zone 1 and 2 with gasses of group IIC and temperature class T4
- Zone 21 and 22 for dust atmospheres (Tmax =135°C)



II 2 GD EEx ib IIC T4 T135°C

KEMA 05 ATEX 1147

The weigh cell consist of two parts:

- Weigh cell mechanical system in stainless steel IP44 housing
- Stainless steel electronic box

Important accessories

- The interface converter YDI05-Z installed in the non hazardous area
- The power supply

- Monolithic weighing system with a resolution of 10 mg
- Excellent weighing technology bundled with easy adaptation
- Adjustable load receptor with overload protection

USA:

- IS Class I, II, III, Division 1, Group A,B,C,D,E,F, G T4 for gas and dust atmospheres
- Class I, Zone 1, **Ex ib IIC T4** with gasses of group IIC and temperature class T4

Canada:

- Ex ia Class I, II, III, Division 1, Group A,B,C,D, E,F,G T4 for gas and dust atmospheres
- Class I, Zone 1, **Ex ib IIC T4** with gasses of group IIC and temperature class T4

USA



Canada



Model WZA... 6202-X

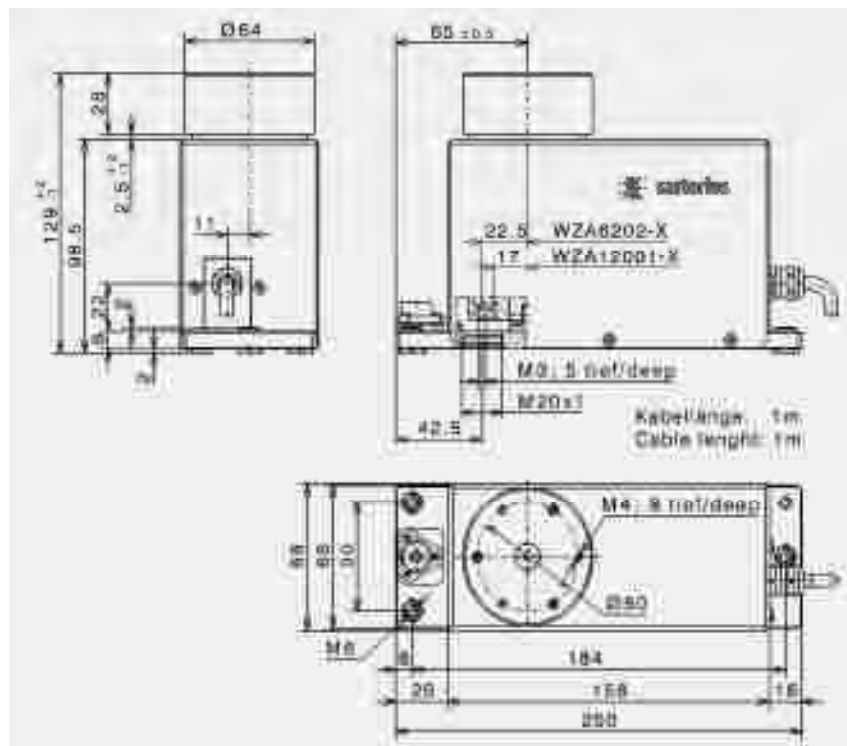
Capacity 6200 g

Readability 0.01 g



- Possibility for under floor weighing
- Fast warm-up by separation of weighing system and electronics
- RS232C interface for configuration and data transfer
- Optional PC-software or display to handle weighing data and configuration

WZA6202-X
Dimensions in mm



Technical Data

Model	WZA6202-X
Capacity	6200 g
Readability	0.01 g
Preload ¹⁾	0 g
Repeatability (standard deviation) ²⁾	≤ ± 10 mg
Linearity	≤ ± 20 mg
Measuring time ^{2) 3)}	1.5 s / ± 1 mg
Operating temperature range	+10 ... +30 °C
Allowable temperature range	+5 ... +40 °C
Weigh cell dimension	68 x 200 x 129 mm (base x height)
Electronic / PCB dimension	224 x 118 x 43.3 mm (base x height)
Load receptor (adjustable, with overload protection)	64 mm (diameter), 30.5 mm height above housing
Under floor load receptor	M3 thread
Cable length weigh cell to electronics	1 m
Power supply unit for EU - YPS02-XDR for the hazardous area (UK - YPS02-XGR; USA/CA - YPS02-XKR)	100 ... 240 V _{AC} , 25VA, cable length: AC 3m, DC 3m
Power supply unit for EU - YPS02-ZDR for non hazardous area (UK - YPS02-ZGR; USA/CA - YPS02-ZKR)	100 ... 240 V _{AC} , 25VA, cable length : AC 3m, DC 20m
Interface converter in the non hazardous area YDI05-Z Option M52 and M56	RS232C cable for PC with 9-PIN COM Port, length 5m cable from electronic box to interface converter 20m RS-485 interface available on request

Options / Accessories

Windows configuration software for test and adjustment	YAD01IS
Display for the hazardous area with 2.5m cable	YAC02FC-X

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- 1) the preload can be configured by using the YAD01IS software; higher preload will reduce the weighing range
- 2) depending on measurement equipment set-up and conditions;
- 3) measuring time is the time in which the measured value is in the given range around the static end value; test weight is approx. 25% of the weighing range.

Specifications are subject to change without notice.

Current status: January 2013
Version: 2.1