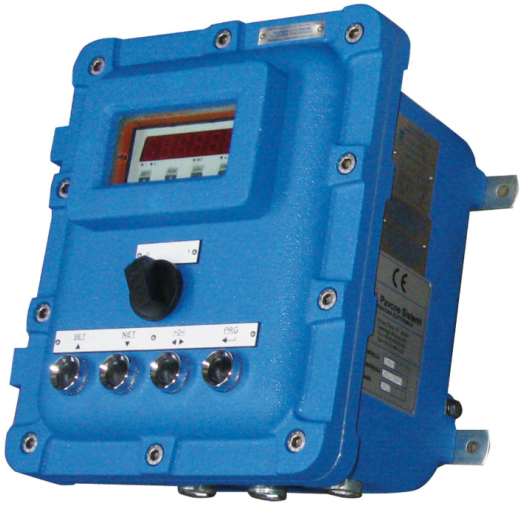
Atex and Stainless Steel **E 90/1**

available with certification • EAC • ATEX

General information

PWS14620240320

The E 90/1 ATEX weighing instrument (stainless steel) is designed for installation in potentially explosive environments and is suitable for use in the many applications required by most of the chemical, pharmaceutical and paint industries. The complete digital programming of the instrument takes place directly from the front through 4 keys. The E 90/1 instrument has the peak hold function for dynamic weighings and it can be interfaced with the most common PLCs thanks to the Profibus-DP board which can be installed as an option directly in the instrument. The weighing instrument is compliant with the following regulations: EN50081-1, EN5002-2 for EMC; EN61010-1 for Electrical Safety; 94/9/EC for ATEX II 2 GD; EEx d IIB T6÷T4.



All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

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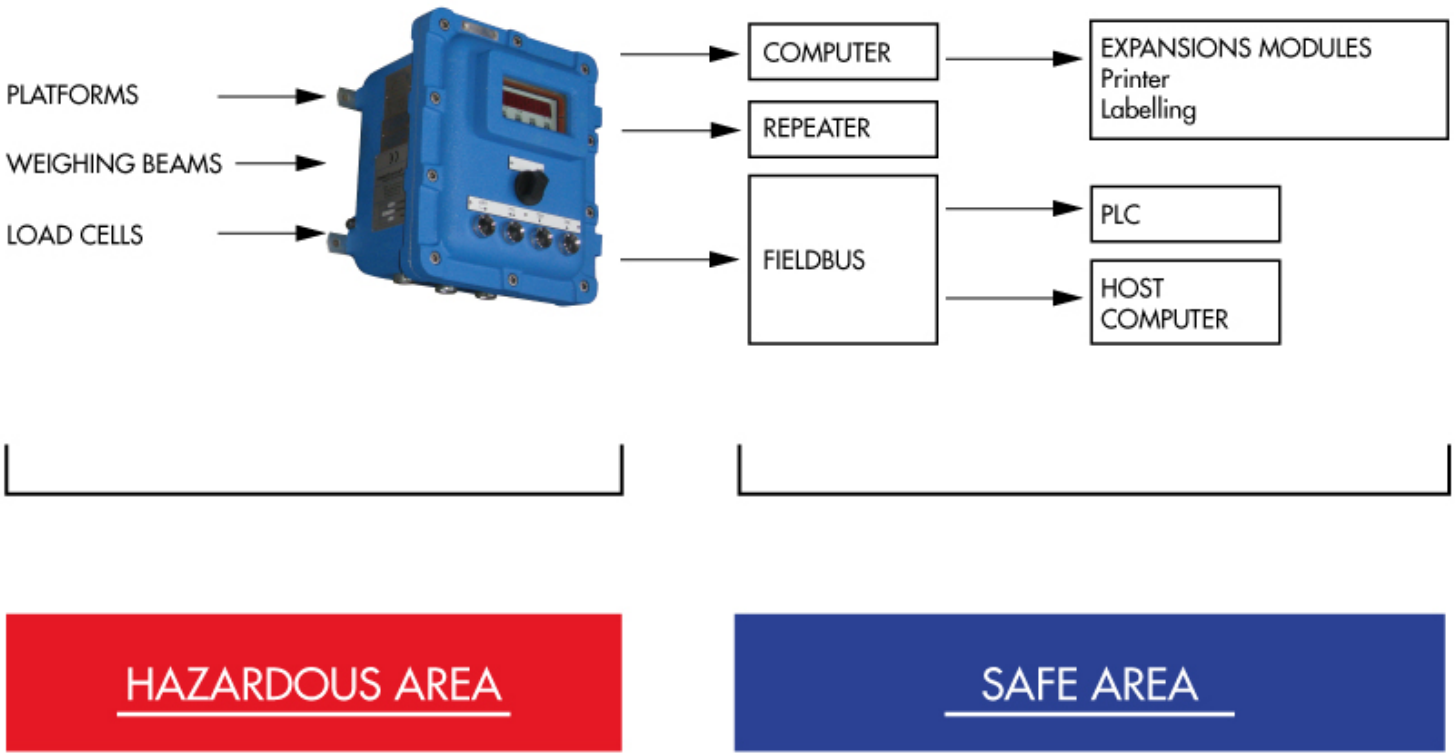
Measuring range:	0.5 ÷ +3.5 mV/V
Input sensitivity:	0.02 µV/count
Full scale non-Linearity:	<0.01 % full scale
Gain drift:	<0.001 % of full scale/°C
A/D Converter:	24 bits
Trasducer input voltage:	max 5 V (max 6 cells of 350 Ohm) through intrinsic safety barriers
Visible resolution (in divisions):	60000
Decimal figures range:	0 ÷ 3
Temperature range:	-10 ÷ +50 ° C (max 85% humidity without condensation)
Storage temperature:	-20 ÷ +70 °C
Filter:	0.1 ÷ 25 Hz
Logic output:	2 outputs max 24 Vdc/100 mA cad
Logic input:	2 optoisolated 24 Vcc PNP (external power supply)
Serial port:	RS232C or RS422/RS485
Power supply:	24 Vdc ±15 % - power consumption 5W or 115/230 Vac with integrated power supply
Regulatory compliance:	EN50081-1, EN5002-2 for EMC;
Analog output:	16 bit
Fieldbus:	ASCII, Modbus RTU
Baud rate:	2400, 9600, 19200, 38400, 115200 selectable
Transmission distance:	15m (RS232C), 1000m (RS422; RS485)



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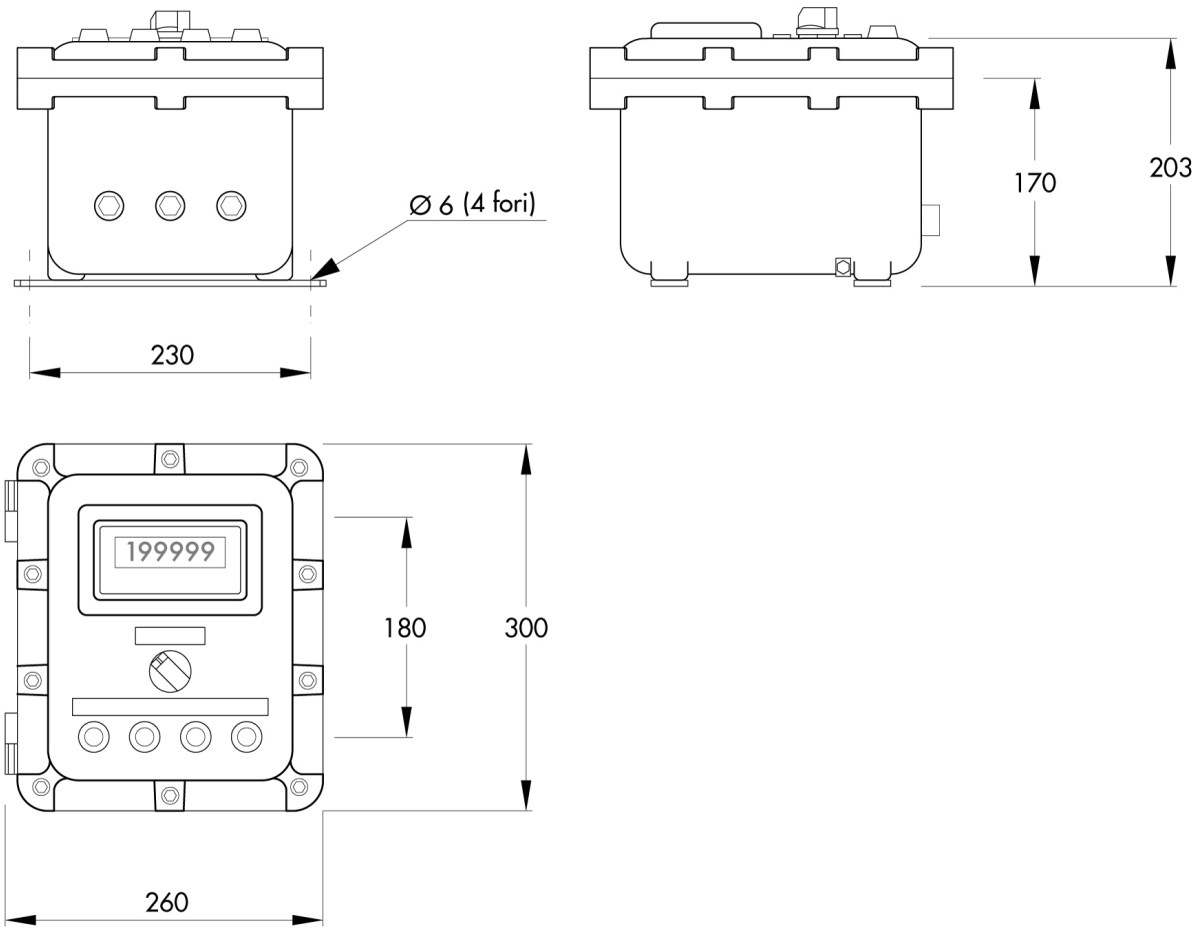

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