



Designed for installation in potentially explosive environments

Complete digital programming of the instrument directly from the front

RS232 or RS422/RS485, MODBUS RTU or ASCII protocols

Instrument suitable for use in many applications required by most industries in the chemical, pharmaceutical and paint

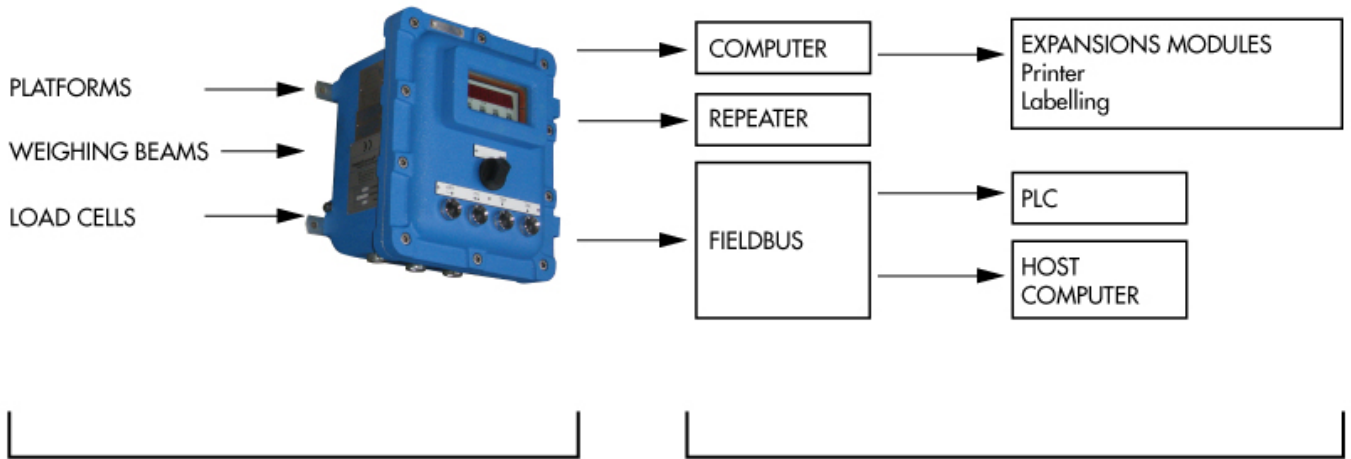
Intrinsically safe barriers housed into the deflagration case

The instrument E 90/1 can be interfaced with most popular PLCs via Profibus-DP -installable as an option directly in the instrument

TECHNICAL CHARACTERISTICS E 90/1

Transducer power supply:	max 5 V (max 6 cells of 350 Ohms) through intrinsic safety barriers
Measuring range:	from transducers with sensitivity from 0.5 to +3.5 mV/V
Input sensitivity:	0.02 micronV/division
Linearity:	<0.01% of full scale
Thermal drift:	<0.001% of full scale /°C
A/D converter:	24 bits
Viewable resolution:	60.000 displayable divisions on the net weight
Settable decimals:	0.0; 0.00; 0.000
Filter:	selectable from 0.1 to 25 Hz
Keyboard:	4 buttons running EX
Power supply:	24 VDC ± 15% - power consumption 5W or 115/230 Vac with integrated power supply
Temperature range:	-10 To +50 ° C (max 85% humidity non-condensing)
Storage temperature:	-20 ÷ +70 °C
Logic outputs:	2 relays (contact) MAX 24 Vcc/100 mA cad
Logic inputs:	2 opto-isolated 24 Vcc PNP (external power supply)
Serial port:	RS232C or RS422/RS485
Transmission distance:	15m (RS232C), 100m (RS422 and RS485)
Standard protocol:	ASCII, MODBUS RTU
Peak Hold Function	for dynamic measurements
Baud rate:	2400, 9600, 19200, 38400, 115200 selectable
Regulatory compliance:	EN50081-1, EN5002-2 for EMC; EN61010-1 for Electrical Safety 94/9/EC for ATEX II 2 GD; EEx d IIB T6÷T4
Manual batching:	a single component in loading or unloading
Fieldbus connection option:	Profibus-DP with integrated board
Analog output:	16-bit Voltage: 0 to 10 V and 0 to 5 V (R min 10k Ohms) Power: 0 to 20 mA, 4 to 20 mA (R max 300 Ohms)

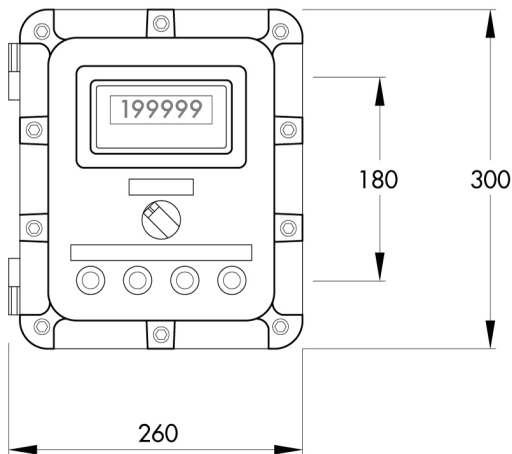
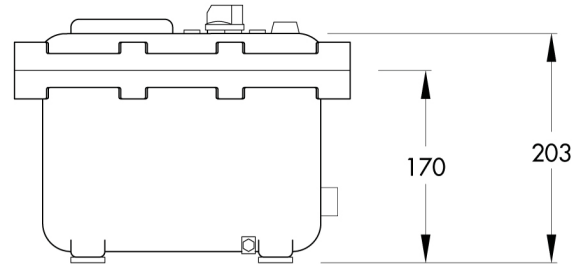
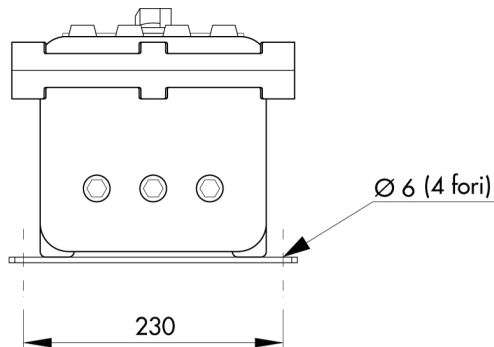




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