

intrinsically safe submersible level transmitter, ATEX version accuracy 0,35 %



II 1G Ex ia IIC T6...T4 Ga
II 1D Ex ia IIIC T₂₀₀85°C...T₂₀₀135°C Da

**Certificate :
0425 ATEX 2635-01**

8.XLV

Protection type: intrinsic safety “ia” as per EN 60079-0, EN 60079-11.

Marking:

- II 1 G Ex ia IIC T6...T4 Ga

II 1 D Ex ia IIIC T₂₀₀85°C...T₂₀₀135°C Da (Cod. **G1D**).

Measuring ranges: 0...1/0...25 bar, relative.

Output signal: 4...20 mA.

Non-linearity (BFSL): ≤ ± 0,175 % of the range, according to IEC 61298-2.

Non-repeatability: ≤ 0,1 % of the range, according to IEC 61298-2.

Accuracy: ≤ ± 0,35% of the range ⁽¹⁾.

Thermal drift: between 0 and 60°C, 1% of span; 2,5% of span, max ⁽²⁾.

Long term drift: ≤ 0,2 % of span.

Stocking temperature: -10...+60 °C.

Emission and immunity: according to EN 61326-1, (group 1 - class B; industrial applications).

Sensor: piezoresistive cell, with silicon oil.

Case: in AISI 316L.

Sensor gasket: VITON (Cod. **FPM**).

Electric connection: poliurethane cable, compensated.

Grado di protezione: IP 68 secondo IEC 60529.

Weight: 0,25 kg.

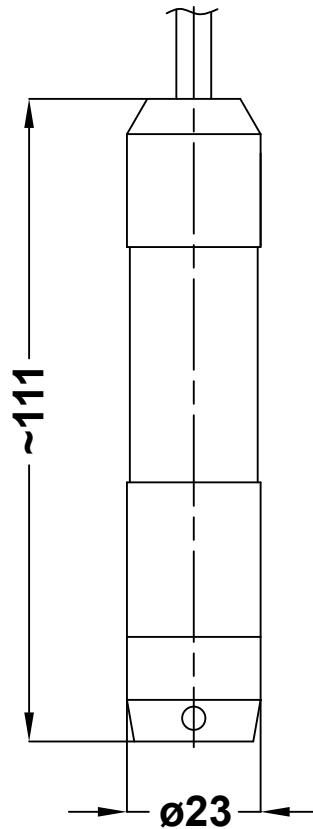
(1) max measuring error according to IEC 61298-2, including non-linearity and hysteresis (limit-point calibration and reference conditions according to IEC 61298-1)

(2) + 0,5% of span for measuring range ≤ 0,6 bar

Ranges bar, relative	Overpressure bar, relative
0...0,1	0,3
0...0,16	0,5
0...0,25	0,8
0...0,4	1,2
0...0,6	1,8
0...1	2
0...1,6	3,2
0...2,5	5
0...4	8
0...6	12
0...10	20
0...16	25
0...25	25

Other ranges available on demand. Units of measurement available in psi, MPa, kPa too.

Complying to standards: ATEX 2014/34/EU- EMC 2014/30/EU - PED 2014/68/EU - RoHS 2011/65/CE



dimensions : inches (mm)

Electrical features	
N. of wires	2
Load (Ohm)	$R_L \leq (U_i - 10) / 0,02$
Supply (U_i)	10...30 Vdc
Max current (I_i)	≤ 100 mA
Max power (P_i)	1,0 W
Capacitance (C_i)	19 nF
Inductivity (L_i)	0 mH

WIRING

Supply connection: U+	brown
Negative connection: U-	white
Output signal: S+	-
Ground	grey

“HOW TO ORDER” SEQUENCE

Section / Model / Range / Output signal / Classification / Temperature / Cable type / Gasket
8 XLV 1 G1D --- I FPM