

# XMLG010D71

Electronic pressure sensors, Pressure sensors XM, sensor XMLG, 0.8...10 bar, G 1/4 A (male), 24 V, 0...10 V



## Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLG
Pressure rating	10 bar
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Controlled fluid	Air (-15...125 °C) Corrosive fluid (-15...125 °C) Hydraulic oil (-15...125 °C) Fresh water (0...125 °C)
Type of output signal	Analogue
Analogue output function	0...10 V, 3 wires
Electrical connection	1 male connector M12, 3 pins
[Us] rated supply voltage	24 V DC (voltage limits: 11.4...33 V)
Quantity per set	Set of 1
Type of packing	Individual
Diameter	22.8 mm

## Complementary

Pressure setting range	0...10 bar
Maximum permissible accidental pressure	22 bar
Destruction pressure	25 bar
Local display	Without
Electrical circuit type	Control circuit
Current consumption	< 20 mA
Materials in contact with fluid	Ceramic Stainless steel type AISI 303 FPM (Viton)
Operating position	Any position
Protection type	Reverse polarity Load short-circuit
Surge withstand	1 kV 42 Ohm conforming to IEC 61000-4-5 500 kV 12 Ohm conforming to IEC 61000-4-5
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 2 ms
Drift of the sensitivity	+/- 0.015 % of measuring range/°C
Drift of the zero point	+/- 0.015 % of measuring range/°C
Measurement accuracy	+/- 0.3 % of the measuring range
Repeat accuracy	+/- 0.1 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.095 kg
Height	58.1 mm
Length	48.5 mm
Scale type	Fixed differential



## Environment

Standards	IEC 61326-2-3 CE
Product certifications	CSA C22.2 No 14[RETURN]UL 508
Protective treatment	TC
Ambient air temperature for operation	-15...85 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	20 gn (f= 9...2000 Hz) conforming to IEC 60028-2-6
Shock resistance	25 gn for 11 ms conforming to IEC 60068-2-27
Resistance to electrostatic discharge	15 kV in air conforming to IEC 61000-4-2 8 kV on contact conforming to IEC 61000-4-2
Resistance to electromagnetic fields	200 V/m 80...1000 Hz conforming to IEC 61000-4-3
Resistance to fast transients	4 kV conforming to IEC 61000-4-4
Resistance to conducted disturbances	30 V (0.15...80 Hz) conforming to IEC 61000-4-6
Resistance to magnetic fields	30 A/m 50 Hz conforming to IEC 61000-4-8
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
NEMA degree of protection	NEMA 4

## Packing Units

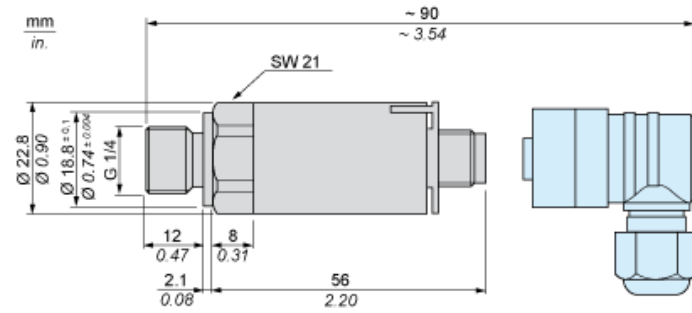
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.600 cm
Package 1 Width	10.600 cm
Package 1 Length	13.000 cm
Package 1 Weight	133.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.930 kg

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

## Contractual warranty

Warranty	18 months
----------	-----------

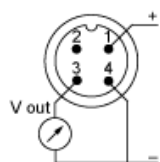


---

## Wiring Diagram

---

### 3-Wire Technique (0-10 V)



---

## Output Curves

---

