

# XMLG001D71

Electronic pressure sensors, Pressure sensors  
XM, sensor XMLG, 0.08...1 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	1 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...1 bar
Maximum permissible accidental pressure	2.7 bar
Destruction pressure	3 bar
Local display	Without
Electrical circuit type	Control circuit
Current consumption	< 20 mA
Materials in contact with fluid	FPM (Viton) Stainless steel type AISI 303 Ceramic
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	CE IEC 61326-2-3
Product certifications	UL 508[RETURN]CSA C22.2 No 14
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	5 cm
Package 1 Width	10.5 cm
Package 1 Length	13.5 cm
Package 1 Weight	0.133 kg

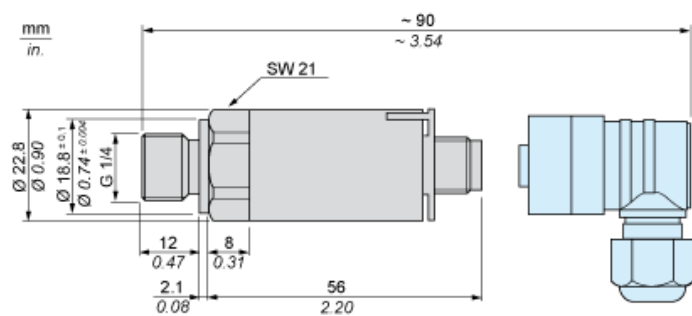
## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

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

## Dimensions

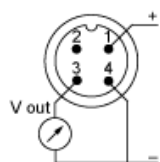


---

## Wiring Diagram

---

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



---

## Output Curves

---

