



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure sensor size	30 psi (206.84 kPa)
Local display	Without
Controlled fluid	Fresh water 32...257 °F (0...125 °C)) Air 5...257 °F (-15...125 °C)) Gas (-15...125 °C) Hydraulic oil 5...257 °F (-15...125 °C))
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector EN 175301-803-A (ex DIN43650) 3 pins
[Us] rated supply voltage	24 V DC SELV (voltage limits: 12...33 V)
Current consumption	< 7 mA
Type of output signal	Analogue
Analogue output function	0...10 V, 3-wire
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0...30 psi (0.00...206.84 kPa)
Maximum permissible accidental pressure	109 psi (751.53 kPa)
Destruction pressure	145 psi (999.74 kPa)
Materials in contact with fluid	Stainless steel AISI 316L Fluorocarbon FPM Ceramic
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 2 kV Radiated RF fields EN/IEC 61000-4-6 10 V 0.15...80 MHz Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Long term stability	+/- 0.25 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.21 lb(US) (0.095 kg)

Diameter	1.02 in (26 mm)
Length	2.09 in (53 mm)

Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3
Product certifications	CULus RCM EAC CE
Ambient air temperature for operation	-22...185 °F (-30...85 °C)
Ambient air temperature for storage	-58...212 °F (-50...100 °C)
Vibration resistance	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	100 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP65 EN/IEC 60529

Ordering and shipping details

Category	21561 - XMLK,XMLP PRESSURE TRANSMITTERS
Discount Schedule	DS2
GTIN	03389119626002
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	CH

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.61 in (4.1 cm)
Package 1 width	1.77 in (4.5 cm)
Package 1 Length	3.35 in (8.5 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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 www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Technical drawing of a 1/4-18 NPT plug valve. The drawing shows the valve body with a handle on the right. Dimensions are provided in millimeters (mm) and inches (in.).

Dimensions:

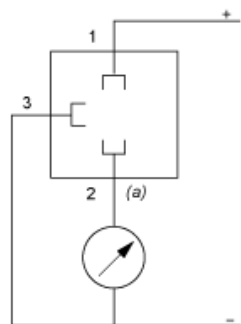
- Overall length: 82 mm (3.23 in.)
- Distance from handle to center of plug: 52.7 mm (2.07 in.)
- Distance from center of plug to center of handle: 30.2 mm (1.19 in.)
- Distance from center of plug to center of handle (alternative measurement): 12.7 mm (0.50 in.)
- Distance from center of plug to center of handle (alternative measurement): 6 mm (0.24 in.)
- Plug diameter: Ø26 mm (1.02 in.)
- Plug thread: 1/4-18 NPT
- Plug length: 12.7 mm (0.50 in.)
- Plug diameter (alternative measurement): Ø24 mm (0.94 in.)

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Connection and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



(a) V out

Performance Curves

Curves

