

# XMLPM60RD73F

Electronic pressure sensors, Pressure sensors  
XM, transmitter -14,5...60 PSI, 0...10 V, 1/4  
18NPT male, FPM, M12



## 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	-14.5...60 psi (-99.97...413.69 kPa)
Local display	Without
Controlled fluid	Fresh water 32...257 °F (0...125 °C) Air 5...257 °F (-15...125 °C) Gas 5...257 °F (-15...125 °C) Hydraulic oil 5...257 °F (-15...125 °C)
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	24 V DC SELV 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	-14.5...60 psi (-99.97...413.69 kPa)
Maximum permissible accidental pressure	260 psi (1792.64 kPa)
Destruction pressure	350 psi (2413.16 kPa)
Materials in contact with fluid	Ceramic Fluorocarbon FPM Stainless steel AISI 316L
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 EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields 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	0.17 lb(US) (0.075 kg)

Diameter	1.02 in (26 mm)
Length	1.19 in (30.2 mm)

## Environment

Standards	EN/IEC 61326-2-3 NSF ANSI 61
Product certifications	CULus CE EAC RCM
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 10...2000 Hz) EN/IEC 60068-2-6
Shock resistance	100 gn 11 ms EN/IEC 60068-2-27
IP degree of protection	IP65 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K conforming to DIN 40050





## Ordering and shipping details

Category	21561-XMLK,XMLP PRESSURE TRANSMITTERS
Discount Schedule	DS2
GTIN	3389119626309
Nbr. of units in pkg.	1
Package weight(Lbs)	2.65 oz (75.0 g)
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

Technical drawing of a 1/4-18 NPT plug valve. The drawing shows a side view of the valve with dimensions in millimeters (mm) and inches (in.). The main body has a diameter of  $\varnothing 26$  mm. The handle has a diameter of  $\varnothing 24$  mm and a length of 41 mm. The plug has a diameter of  $\varnothing 24$  mm and a length of 30.2 mm. The valve is threaded with 1/4-18 NPT. The handle is labeled (1). The valve is labeled M12 x 1. The dimensions are as follows:

- Overall length: 41 mm (1.61 in.)
- Plug length: 30.2 mm (1.19 in.)
- Plug diameter:  $\varnothing 24$  mm
- Plug thread: M12 x 1
- Valve thread: 1/4-18 NPT
- Valve diameter:  $\varnothing 26$  mm
- Handle diameter:  $\varnothing 24$  mm
- Handle length: 41 mm (1.61 in.)
- Handle to plug distance: 12.7 mm (0.50 in.)
- Plug to handle distance: 6 mm (0.24 in.)
- Overall height: ~64 mm (~2.52 in.)

(1) SW24 tightening torque  $\leq 25$  N.m / 221 lb-in

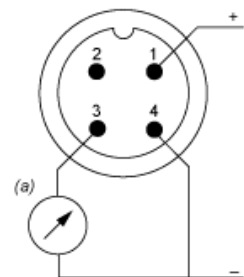
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Connection and Schema

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Wiring Diagram

3-Wire Technique (0-10 V)



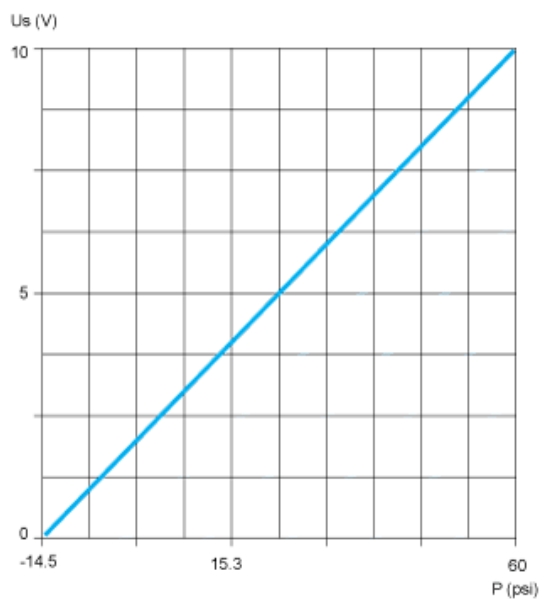
(a) V out

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Performance Curves

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Curves



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