

XMLP3K0PD73

pressure transmitter - XMLP - 3000psi -
1/4"18NPT - 0..10V - M12 - set 1

Product availability: Stock - Normally stocked in distribution facility



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	3000 psi
Local display	Without
Controlled fluid	Fresh water 32...248 °F (0...120 °C) Air -22...248 °F (-30...120 °C) Hydraulic oil -22...248 °F (-30...120 °C) Gas -22...248 °F (-30...120 °C) Refrigeration fluid -22...248 °F (-30...120 °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, voltage limits: 14...30 V
Current consumption	< 10 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...3000 psi
Maximum permissible accidental pressure	6000 psi
Destruction pressure	12000 psi
Materials in contact with fluid	Stainless steel type 17-4PH Stainless steel type AISI 304
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz) Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 5 ms for 92 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	Infinity
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Long term stability	+/- 0.2 % of the measuring range
Mechanical durability	>= 10000000 cycles
Product weight	0.11 lb(US) (0.05 kg)

Diameter	1.18 in (30 mm)
Length	1.02 in (26 mm)
Scale type	Fixed differential

Environment

Standards	CE EN/IEC 61326-1
Product certifications	CULus RCM EAC
Protective treatment	TC
Ambient air temperature for operation	-22...212 °F (-30...100 °C)
Ambient air temperature for storage	-22...212 °F (-30...100 °C)
Vibration resistance	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64
Shock resistance	25 gn 11 ms conforming to 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	00785901931577
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14999999999999999
Returnability	N
Country of origin	DE

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1136 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
------------------------	--

Contractual warranty

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

Technical drawing of a 1/4-18 NPT female adapter. The drawing shows a side view of the adapter with dimensions in mm and inches. Key dimensions include: total length 65 mm (2.56 in.), thread length 26 mm (1.02 in.), and overall diameter 30 mm (1.18 in.). The adapter has a 1/4-18 NPT female thread on one end and an M12 x 1 male thread on the other. A detail view shows the internal thread of the adapter.

- (1) SW27 Tightening torque ≤ 25 Nm / 221 Lb-in

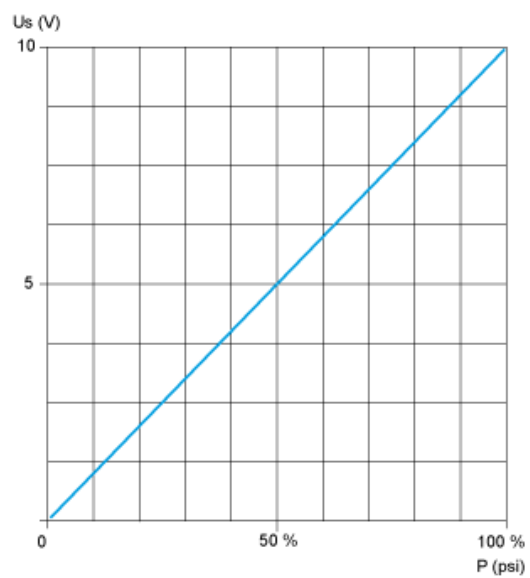
Wiring Diagram

3-Wire Technique (0-10 V)



(a) V out

Curves



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XMLP3K0PD73](#)