XMLP200PD130

pressure transmitter - XMLP - 200psi - 1/4"18NPT - 0,5..4,5V - M12 - set 1





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 Rating	200 psi (1378.95 kPa)
Local display	Without
Controlled fluid	Fresh water 32275 °F (0135 °C)) Air -40275 °F (-40135 °C)) Hydraulic oil -40275 °F (-40135 °C)) Gas -40275 °F (-40135 °C)) Refrigeration fluid -40275 °F (-40135 °C))
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	5 V DC SELV 4.55.5 V)
Current Consumption	< 7 mA
Type of output signal	Analogue
Analogue output function	0.54.5 V, 3-wire
Quantity per Set	Set of 1
Type of Packing	Individual

Complementary

Pressure setting range	0200 psi (0.001378.95 kPa)
Maximum permissible accidental pressure	600 psi (4136.85 kPa)
Destruction pressure	1400 psi (9652.66 kPa)
Materials in contact with fluid	Stainless steel AISI 316L
Operating position	Any position
Protection Type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrical fast transient/burst immunity test EN/IEC 61000-4-4 2 kV 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 Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 803000 MHz Radiated RF fields EN/IEC 61000-4-6 10 V 0.0180 MHz
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 1090 % 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
Mechanical durability	10000000 cycles
Net Weight	0.19 lb(US) (0.088 kg)
Diameter	1.02 in (26 mm)
Length	1.42 in (36 mm)

Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3	
Product Certifications	EAC RCM CULus CE	
Protective treatment	TC	
Ambient air temperature for operation	-22185 °F (-3085 °C)	
Ambient Air Temperature for Storage	-58212 °F (-50100 °C)	
Vibration resistance	20 gn 152000 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 EN/IEC 60529	

Ordering and shipping details

22419 - PRESSURE SWITCH IEC (HIGH,LOW,GEN)
DS2
3389119639774
1
3.32 oz (94 g)
No
CH

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	1.85 in (4.7 cm)
Package 1 Length	3.43 in (8.7 cm)

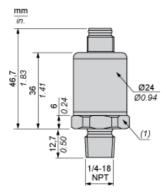
Offer Sustainability

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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile

Product data sheet Dimensions Drawings

XMLP200PD130

Dimensions

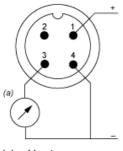


(1) SW24 tightening torque ≤ 25 N.m / 221 lb-in

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Wiring Diagram

3-Wire Technique (0.5 – 4.5 V)



(a) V out

Curves

