

Product Datasheet

Characteristic

XMLP100PD230

pressure transmitter - XMLP - 100psi -
1/4"18NPT - 4..20mA - 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 sensor size	100 psi (689.48 kPa)
local display	Without
controlled fluid	Fresh water 32...275 °F (0...135 °C) Air -40...275 °F (-40...135 °C) Hydraulic oil -40...275 °F (-40...135 °C) Gas -40...275 °F (-40...135 °C) Refrigeration fluid -40...275 °F (-40...135 °C)
fluid connection type	1/4" - 18 NPT (male)
electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC SELV 7...33 V)
current consumption	< 23 mA
type of output signal	Analogue
analogue output function	4...20 mA, 2-wire
quantity per set	Set of 1
type of packing	Individual

Complementary

pressure setting range	0...100 psi (0.00...689.48 kPa)
maximum permissible accidental pressure	300 psi (2068.43 kPa)
destruction pressure	900 psi (6205.28 kPa)
materials in contact with fluid	Stainless steel AISI 316L
operating position	Any position
protection type	Load short-circuit Reverse polarity
electromagnetic compatibility	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 Electrical fast transient/burst immunity test EN/IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields EN/IEC 61000-4-6 10 V 0.01...80 MHz

[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
accuracy	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	EN/IEC 61326-2-3 NSF ANSI 61
product certifications	EAC CULus RCM CE
protective treatment	TC
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 15...2000 Hz EN/IEC 60068-2-6
shock resistance	100 gn 11 ms EN/IEC 60068-2-27
IP degree of protection	IP65 EN/IEC 60529 IP67 EN/IEC 60529 IP69K EN/IEC 60529

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1511013EN