

# Product Datasheet

## Characteristic

# XMLP100PD730

pressure transmitter - XMLP - 100psi -  
1/4"18NPT - 0..10V - 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) -40...275 °F (-40...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
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	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	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 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	NSF ANSI 61 EN/IEC 61326-2-3
product certifications	CE EAC CULus RCM
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

Sustainable offer status	Green Premium product
REACH Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1511013EN