

Product data sheet

Specifications



Electronic pressure sensors,
Pressure sensors XM, transmitter,
XMLP, 3000 PSI, 1/4"18NPT, 0...10
V, M12, set 1

XMLP3K0PD730

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	20684.27 kPa
Local display	Without
Controlled fluid	Fresh water (0...135 °C) Air (-40...135 °C) Hydraulic oil (-40...135 °C) Gas (-40...135 °C) Refrigeration fluid (-40...135 °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: 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	0.00...20684.27 kPa
Maximum permissible accidental pressure	62052.81 kPa
Destruction pressure	124105.63 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 conforming to EN/IEC 61000-4-4 2 kV Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...3000 MHz

Radiated RF fields conforming to 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
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	0.092 kg
Diameter	26 mm
Length	36 mm

Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3
Product certifications	EAC CE cULus RCM
Protective treatment	TC
Ambient air temperature for operation	-30...85 °C
Ambient air temperature for storage	-50...100 °C
Vibration resistance	20 gn (f = 15...2000 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	100 gn for 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 EN/IEC 60529

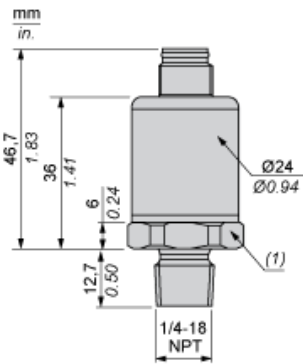
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	94 g
Package 1 Height	4.2 cm
Package 1 width	4.7 cm
Package 1 Length	8.7 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
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

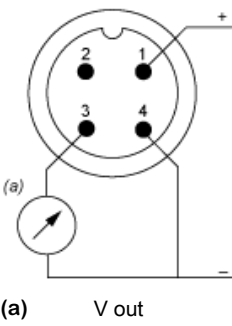
Dimensions



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

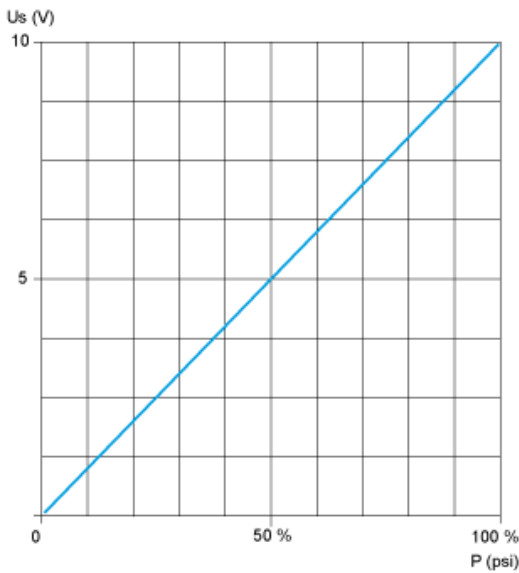
Wiring Diagram

3-Wire Technique (0-10 V)



(a) V out

Curves



Mouser Electronics

Authorized Distributor

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[XMLP3K0PD730](#)