Product datasheet
Characteristics

XMLP100RD73F

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
Local display	Without
Controlled fluid	Fresh water 0...125 °C Air -15...125 °C Gas -15...125 °C Hydraulic oil -15...125 °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
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0...100 psi
Maximum permissible accidental pressure	260 psi
Destruction pressure	340 psi
Materials in contact with fluid	Ceramic Stainless steel AISI 316L Fluorocarbon FPM
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 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 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 1 kV (f = 42 Ohm) Immunity to magnetic fields conforming to EN/IEC 61000-4-8 - test level 100 A/m (f = 50 Hz)
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 92 % of full scale
Measurement accuracy	+/- 0.5 % 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
Repeat accuracy	+/- 0.1 % of the measuring range
Mechanical durability	>= 10000000 cycles
Product weight	0.17 lb(US) (0.075 kg)
Diameter	1.02 in (26 mm)
Length	1.19 in (30.2 mm)

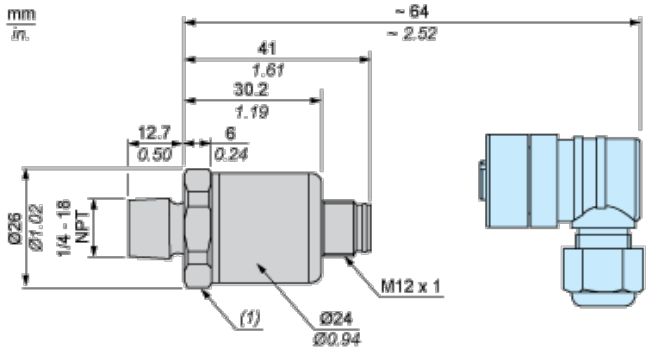
Environment

standards	EN/IEC 61326-2-3 NSF ANSI 61
product certifications	CE CULus RCM EAC
ambient air temperature for operation	-22...185 °F (-30...85 °C)
ambient air temperature for storage	-58...212 °F (-50...100 °C)
shock resistance	100 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

Offer Sustainability

WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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	For more information go to www.p65warnings.ca.gov

Dimensions

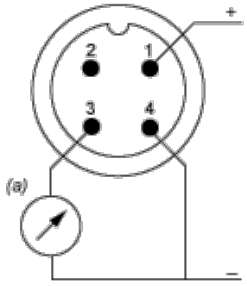


(1) SW24 tightening torque ≤ 25 N.m / 221 lb-in

Connection and Schema

Wiring Diagram

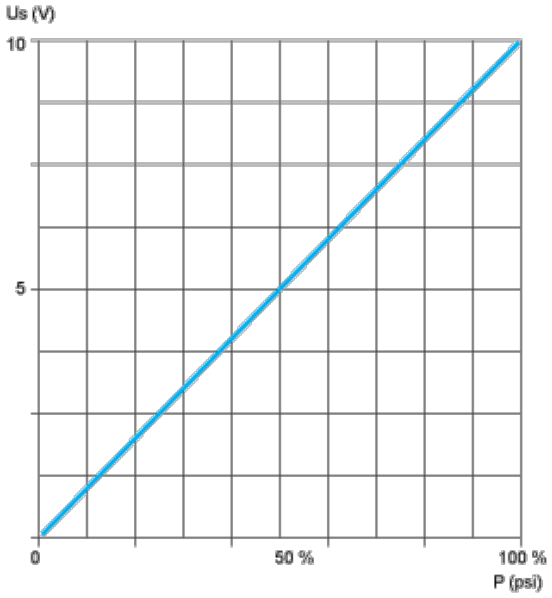
3-Wire Technique (0-10 V)



(a) V out

Performance Curves

Curves


Us (V)
10
5
0
50 %
100 %
P (psi)