



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	100 Psi (689.48 kPa)
Local display	Without
Controlled fluid	Fresh water (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 Packard Metripack 150 3 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...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 conforming to EN/IEC 61000-4-2 8 k-V 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
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
Product weight	0.20 Lb(US) (0.09 kg)
Diameter	1.02 In (26 mm)
Length	2.17 In (55 mm)

Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3
Product certifications	CE RCM EAC cULus
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 (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

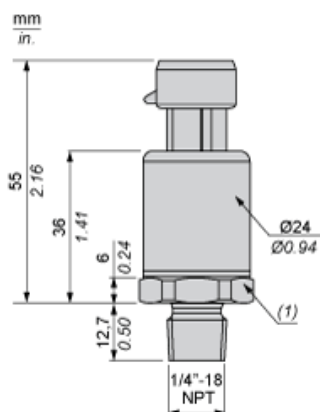
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3.32 Oz (94 g)
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
REACH free of SVHC	Yes
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

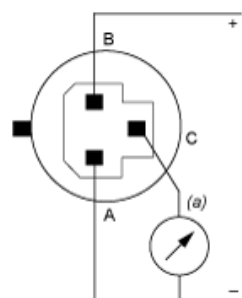
Dimensions



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

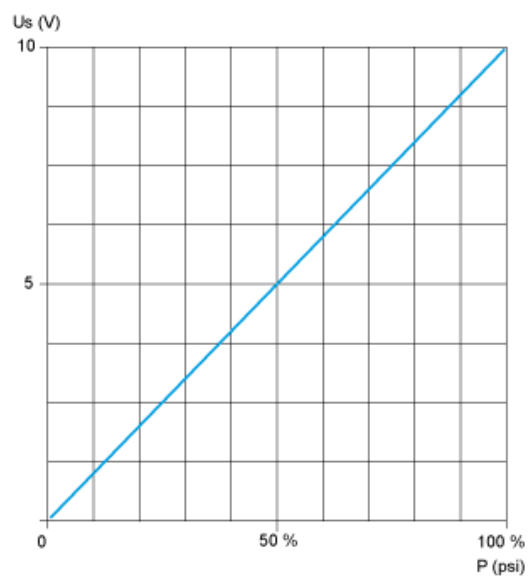
Wiring Diagram

3-Wire Technique (0-10 V)



(a) V out

Curves



Product Life Status :	Commercialised
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Mouser Electronics

Authorized Distributor

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[XMLP100PP730](#)