

Product availability: Non-Stock - Not normally stocked in distribution facility



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	14.5 psi (1 bar)
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	SAE 7/16-20UNF (female)
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...14.5 psi (0...1 bar)
Maximum permissible accidental pressure	43.51 psi (3 bar)
Destruction pressure	72.52 psi (5 bar)
Materials in contact with fluid	Stainless steel AISI 316L Fluorocarbon FPM Ceramic
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	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) 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
[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
Long term stability	+/- 0.25 % of the measuring range

Mechanical durability	>= 10000000 cycles
Product weight	0.17 lb(US) (0.075 kg)
Diameter	1.02 in (26 mm)
Length	1.42 in (36 mm)


Environment

Standards	EN/IEC 61326-2-3 NSF ANSI 61
Product certifications	CE CULus EAC RCM
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 = 10...2000 Hz) conforming to EN/IEC 60068-2-6
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

Ordering and shipping details

Category	21561 - XMLK,XMLP PRESSURE TRANSMITTERS
Discount Schedule	DS2
GTIN	003389119625364
Nbr. of units in pkg.	1
Package weight(Lbs)	0.2999999999999999
Returnability	N
Country of origin	CH

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1541 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

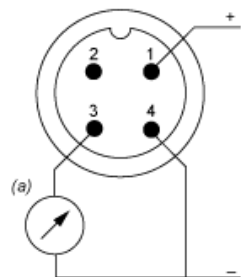
Technical drawing of the M12 x 1 ball joint end of the 1000 Series. The drawing shows a side view of the ball joint with dimensions in mm and inches. Key dimensions include: total length 77 mm (~3.03 in.), distance from mounting flange to ball joint center 54.5 mm (2.15 in.), distance from mounting flange to ball joint end 43.7 mm (1.72 in.), mounting flange thickness 13.5 mm (0.53 in.), ball joint diameter Ø24 mm (Ø0.94 in.), and ball joint thread M12 x 1. A detail view shows the ball joint end with a 1/2 inch diameter hole.

- (1) SW24 tightening torque $\leq 10 \text{ N.m} / 221 \text{ lb-in}$
- (2) 7/16-20 UNF inside

Connection and Schema

Wiring Diagram

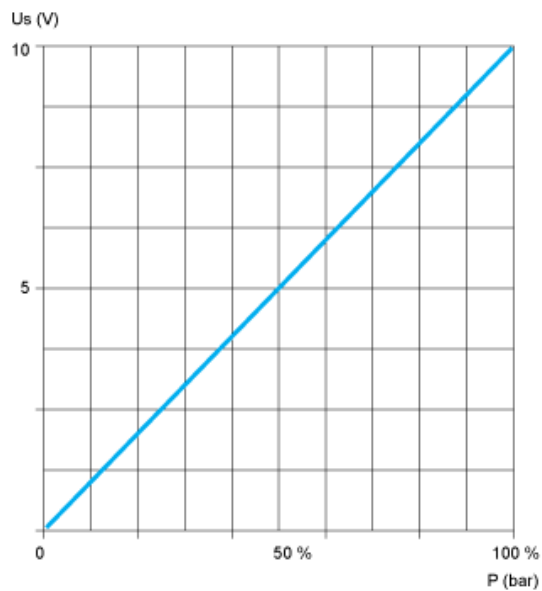
3-Wire Technique (0-10 V)



(a) V out

Performance Curves

Curves



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