



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMEP
Electrical circuit type	Control circuit
Pressure sensor size	3000 psi
Local display	Without
Controlled fluid	Fresh water 0...125 °C Air -40...125 °C Hydraulic oil -40...125 °C
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	DEUTSCH connector DT04-3P 3 pins
[Us] rated supply voltage	24 V DC SELV, voltage limits: 12...36 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...3000 psi
Maximum permissible accidental pressure	9000 psi
Destruction pressure	18000 psi
Materials in contact with fluid	Stainless steel AISI 316L
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to conducted disturbances conforming to EN/IEC 61000-4-6 criteria A - test level 30 V (f = 0.15...80 MHz) Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 criteria A - test level 4 kV Susceptibility to conducted transient disturbances conforming to ISO 7637-2 criteria B - test level level 3 Electrostatic discharge immunity test conforming to ISO 10605 criteria A - test level 15 kV air, 15 kV contact Susceptibility to electromagnetic fields conforming to ISO 11452-4 criteria A - test level 100 mA (f = 20...400 MHz) Susceptibility to electromagnetic fields conforming to ISO 11452-2 criteria A - test level 100 V/m (f = 200...2000 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
Repeat accuracy	+/- 0.5 % of the measuring range
Mechanical durability	10000000 cycles
Product weight	0.22 lb(US) (0.098 kg)
Diameter	1.02 in (26 mm)
Length	2.5 in (63.4 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

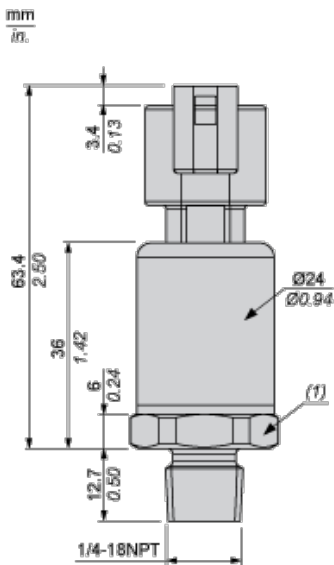
Environment

standards	UL 61010-1 EN/IEC 61326-2-3 ECE 10R-5 ISO 13766 EN 13309 ISO 14982
product certifications	CE CULus E2
ambient air temperature for operation	-40...212 °F (-40...100 °C)
ambient air temperature for storage	-58...212 °F (-50...100 °C)
vibration resistance	12 gn sinus (f = 20...520 Hz) conforming to ISO 16750-3 test 4 18 gn random (f = 10...2000 Hz) conforming to ISO 16750-3 test 4
shock resistance	50 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 EN/IEC 60529

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1702 - Schneider Electric declaration of conformity	Compliant - since 1702 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations

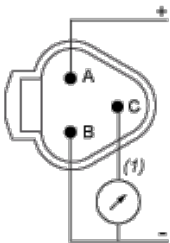
Dimensions



(1) SW24, tightening torque ≤ 24 N-m / 212 lb-in

Connections and Schema

Connector Wiring



(1) V out

Performance Curves

Curves

