

Electronic pressure sensors, Pressure sensors  
XM, transmitter, XMEP, 600 bar, G1/4 A male,  
4...20 mA, M12, set of 25



Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMEP
Electrical circuit type	Control circuit
Pressure rating	600 bar
Local display	Without
Controlled fluid	Fresh water (0...125 °C) Air (-30...125 °C) Hydraulic oil (-30...125 °C)
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC SELV (voltage limits: 9...36 V)
Current consumption	< 23 mA
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Quantity per set	Set of 25
Type of packing	Group

Complementary

Pressure setting range	0...600 bar
Maximum permissible accidental pressure	1500 bar
Destruction pressure	2400 bar
Materials in contact with fluid	Fluorocarbon FPM Stainless steel AISI 316L
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to ISO 10605 criteria A 15 kV air, 15 kV contact Susceptibility to electromagnetic fields conforming to ISO 11452-2 criteria A 100 V/m 200...2000 MHz Susceptibility to electromagnetic fields conforming to ISO 11452-4 criteria A 100 mA 20...400 MHz Susceptibility to conducted disturbances conforming to EN/IEC 61000-4-6 criteria A 30 V 0.15...80 MHz Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 criteria A 4 kV Susceptibility to conducted transient disturbances conforming to ISO 7637-2 criteria B level 3
[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	+/- 0.5 % of the measuring range
Mechanical durability	10000000 cycles

Net weight	0.095 kg
Diameter	26 mm
Length	38.1 mm

## Environment

Standards	ISO 13766 ISO 14982 EN 13309 ECE 10R-5 UL 61010-1 EN/IEC 61326-2-3
Product certifications	cULus[RETURN]CE[RETURN]E2
Ambient air temperature for operation	-40...100 °C
Ambient air temperature for storage	-50...100 °C
Vibration resistance	12 gn sinus (f = 20...520 Hz) test 4 conforming to ISO 16750-3 18 gn random (f = 10...2000 Hz) test 4 conforming to ISO 16750-3
Shock resistance	50 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 Height	8.0 cm
Package 1 Width	12.7 cm
Package 1 Length	13.7 cm
Package 1 Weight	90.0 g

## Offer Sustainability

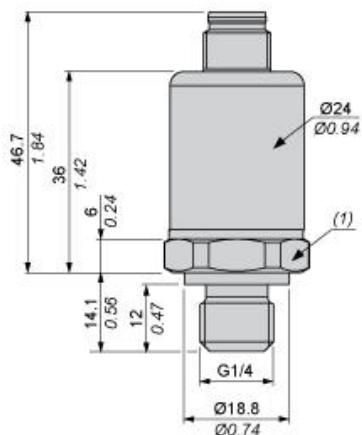
Sustainable offer status	Green Premium product
Circularity Profile	No need of specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

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Dimensions

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mm  
in.



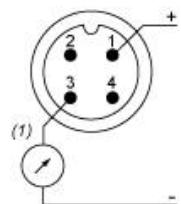
(1) SW24, tightening torque  24 N·m / 212 lb-in

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Connections and Schema

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Connector Wiring



(1) I out  
Pins Not connected  
2  
and  
4 :

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Performance Curves

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Curves

