Product data sheet
Characteristics

XMLP100PD230
Electronic pressure sensors, Pressure sensors XM, transmitter, XMLP, 100 PSI, 1/4"18NPT, 4...20 mA, M12, set 1

Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure rating	689.5 kPa
Local display	Without
Controlled fluid	Fresh water (0…135 °C) Air (-40…135 °C) Hydraulic oil (-40…135 °C) Gas (-40…135 °C) Refrigeration fluid (-40…135 °C)
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC SELV (voltage limits: 7…33 V)
Current consumption	< 23 mA
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Quantity per set	Set of 1
Type of packing	Individual

Complementary

Pressure setting range	0.0000000000…689.5 kPa
Maximum permissible accidental pressure	2068.4 kPa
Destruction pressure	6205.3 kPa
Materials in contact with fluid	Stainless steel AISI 316L
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields conforming to 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
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
Mechanical durability	10000000 cycles
Net weight	0.088 kg
Diameter	26 mm
Length	36 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.
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Environment

Standards	IEC 61326-2-3 NSF ANSI 61
Product certifications	cULus[RETURN]RCM[RETURN]CE
Protective treatment	TC
Ambient air temperature for operation	-30…85 °C
Ambient air temperature for storage	-50…100 °C
Vibration resistance	20 gn (f = 15…2000 Hz) conforming to IEC 60068-2-6
Shock resistance	100 gn for 11 ms conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to IEC 60529

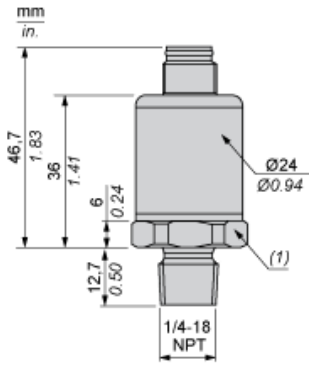
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.200 cm
Package 1 Width	4.400 cm
Package 1 Length	8.600 cm
Package 1 Weight	88.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	2.373 kg

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: 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. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

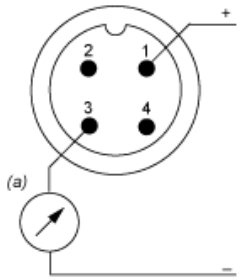
Dimensions

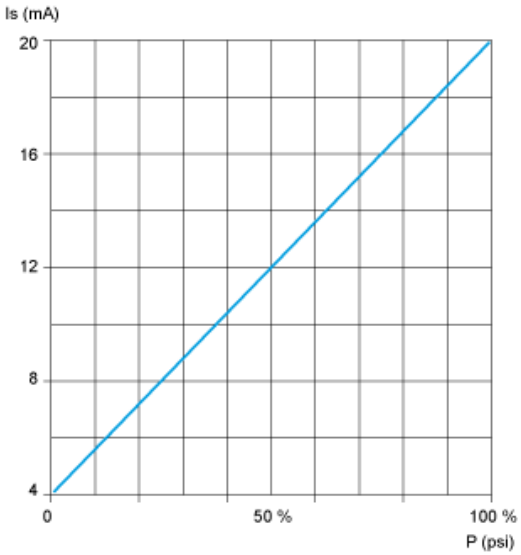


(1) SW24 tightening torque ≤ 25 N.m / 221 lb-in

Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Curves