

# XMLP300PD230Q

Electronic pressure sensors, Pressure sensors XM, transmitter, XMLP, 300 PSI, 1/4"18NPT, 4...20 mA, M12, set 25



## 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	300 psi (2068.43 kPa)
Local display	Without
Controlled fluid	Fresh water 32...275 °F (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 M12 4 pins
[Us] rated supply voltage	12...24 V DC SELV 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 25
Type of Packing	Group

## Complementary

Pressure setting range	0...300 psi (0.00...2068.43 kPa)
Maximum permissible accidental pressure	900 psi (6205.28 kPa)
Destruction pressure	2200 psi (15168.47 kPa)
Materials in contact with fluid	Stainless steel AISI 316L
Operating position	Any position
Protection Type	Reverse polarity Load short-circuit
Electromagnetic compatibility	Electrostatic discharge immunity test IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields 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	0.19 lb(US) (0.088 kg)
Diameter	1.02 in (26 mm)
Length	1.42 in (36 mm)

## Environment

Standards	IEC 61326-2-3 NSF ANSI 61
Product Certifications	RCM[RETURN]cULus[RETURN]CE
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 15...2000 Hz) IEC 60068-2-6
Shock resistance	100 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to IEC 60529

## Ordering and shipping details

Category	US10DS222419
Discount Schedule	0DS2
GTIN	3389119640008
Returnability	Yes
Country of origin	CH

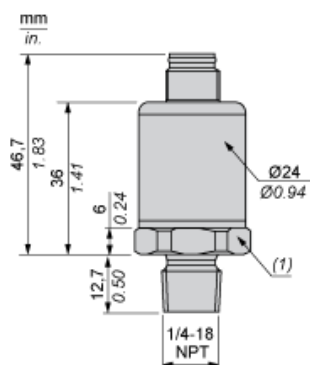
## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.94 in (10.0 cm)
Package 1 Width	5.71 in (14.5 cm)
Package 1 Length	6.89 in (17.5 cm)
Package 1 Weight	2.96 oz (84.0 g)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
Circularity Profile	No need of specific recycling operations
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Dimensions



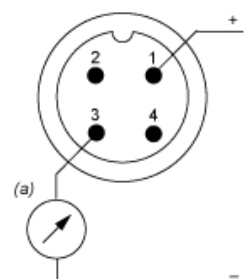
(1) SW24 tightening torque  $\leq 25$  N.m / 221 lb-in

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## Wiring Diagram

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### 2-Wire Technique (4-20 mA)



(a)  $I_{out}$

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## Curves

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