

Product data sheet

Characteristics

XMLP600PP1F0Q

pressure transmitter - XMLP - 600psi -
1/4"18NPTF - 0.5..4.5V - Packard - set 25



Main characteristics

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	600 psi
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	1/4" - 18 NPTF (male)
Electrical Connection	1 male connector Packard Metripack 150 3 pins
[Us] rated supply voltage	5 V DC SELV, voltage limits: 4.5... 5.5 V
Current consumption	< 7 mA
Type of output signal	Analogue
Analogue output function	0.5...4.5 V, 3-wire
Quantity per set	Set of 25
Type of Packing	Group

Complementary characteristics

Pressure setting range	0...600 psi
Maximum permissible accidental pressure	1800 psi
Destruction pressure	3600 psi
Materials in contact with fluid	Stainless steel Stainless steel type AISI 316L
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	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 1.2/50 µs shock waves immunity test conforming EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) Electrostatic discharge immunity test conforming 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 for 10 to 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 the measuring range/°K
Long term stability	+/- 0.25 % of the measuring range
Mechanical Durability	>= 10000000 cycles
Product weight	0.09 kg

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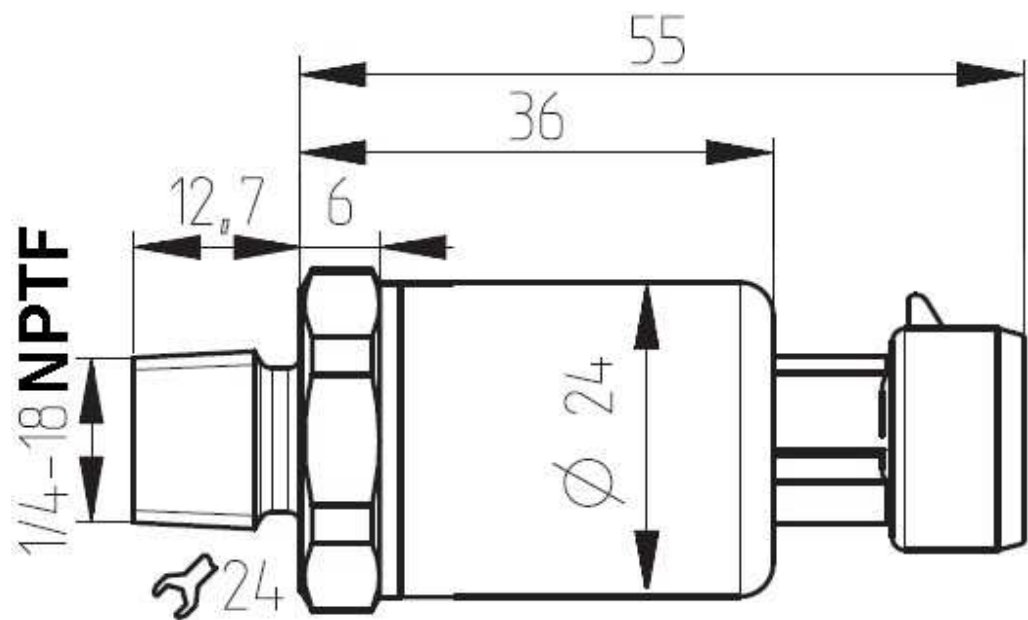
Diameter	26 mm
Length	55 mm

Environment characteristics

Standards	CE EN/IEC 61326-1
Product certifications	CULus ANSI NSF 61 RCM EAC
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...2000Hz) conforming to EN/IEC 60068-2-6
Shock resistance	100 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

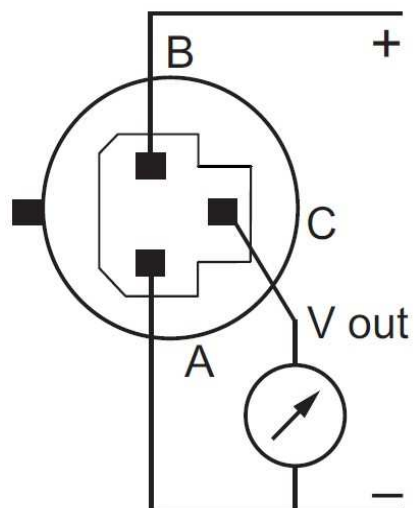
Dimensions

mm



(1) SW24 Tightening torque <= 25 Nm / 221 Lb-in

3-Wire Technique (0.5 - 4.5 V)



Curves

