

Product data sheet

Specifications



pressure transmitter - XMLP - 100psi - 1/4"18NPT - 4..20mA - Packard - set 25

XMLP100PP230Q

Main

| | |
|---------------------------|---|
| 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 rating | 100 psi (689.48 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 Packard Metripack 150 3 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...100 psi (0.00...689.48 kPa) |
| Maximum permissible accidental pressure | 300 psi (2068.43 kPa) |
| Destruction pressure | 900 psi (6205.28 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 EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields EN/IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...3000 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 | 0.20 lb(US) (0.09 kg) |
| Diameter | 1.02 in (26 mm) |
| Length | 2.17 in (55 mm) |

Environment

| | |
|--|--|
| Standards | NSF ANSI 61 EN/IEC 61326-2-3 |
| Product certifications | CE cULus RCM EAC |
| 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) EN/IEC 60068-2-6 |
| Shock resistance | 100 gn 11 ms EN/IEC 60068-2-27 |
| IP degree of protection | IP65 EN/IEC 60529 IP67 EN/IEC 60529 |

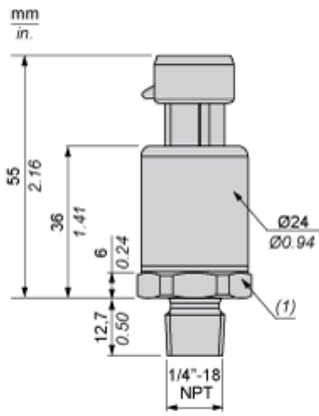
Packing Units

| | |
|-------------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 2.96 oz (84 g) |
| Package 1 Height | 3.94 in (10 cm) |
| Package 1 width | 5.71 in (14.5 cm) |
| Package 1 Length | 6.89 in (17.5 cm) |

Offer Sustainability

| | |
|-----------------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |

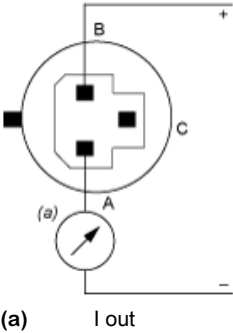
Dimensions



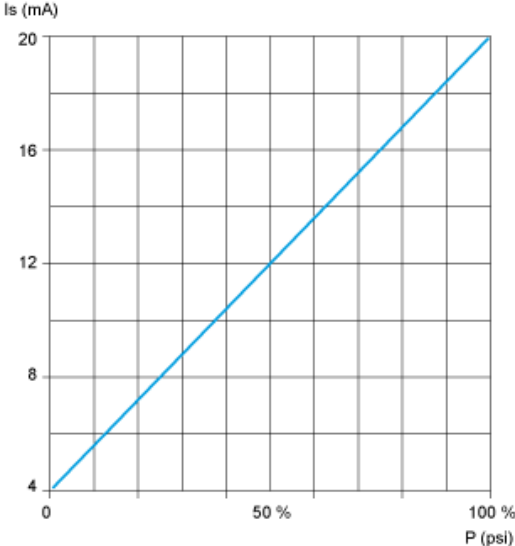
(1) SW24 tightening torque \leq 25 N.m / 221 lb-in

Wiring Diagram

2-Wire Technique (4-20 mA)



Curves



Mouser Electronics

Authorized Distributor

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