

# XMLP100PP730

pressure transmitter - XMLP - 100psi -  
1/4"18NPT - 0..10V - Packard - set 1



## 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 sensor size      | 100 psi (689.48 kPa)                                                                                                                                                                           |
| Local display             | Without                                                                                                                                                                                        |
| Controlled fluid          | Fresh water (0...135 °C)<br>Air -40...275 °F (-40...135 °C)<br>Hydraulic oil -40...275 °F (-40...135 °C)<br>Gas -40...275 °F (-40...135 °C)<br>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 | 24 V DC SELV (voltage limits: 12...33 V)                                                                                                                                                       |
| Current consumption       | < 7 mA                                                                                                                                                                                         |
| Type of output signal     | Analogue                                                                                                                                                                                       |
| Analogue output function  | 0...10 V, 3-wire                                                                                                                                                                               |
| Quantity per set          | Set of 1                                                                                                                                                                                       |
| Type of packing           | Individual                                                                                                                                                                                     |

## 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                         | Load short-circuit<br>Reverse polarity                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Electromagnetic compatibility           | Electrical fast transient/burst immunity test EN/IEC 61000-4-4 2 kV<br>Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 4 kV contact<br>1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm<br>Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz<br>Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...3000 MHz<br>Radiated RF fields conforming to EN/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                              | 0.20 lb(US) (0.09 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diameter                                | 1.02 in (26 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Length                                  | 2.17 in (55 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                       |                                                      |
|---------------------------------------|------------------------------------------------------|
| Standards                             | NSF ANSI 61<br>EN/IEC 61326-2-3                      |
| Product certifications                | CE<br>RCM<br>EAC<br>CULus                            |
| 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 for 11 ms conforming to EN/IEC 60068-2-27     |
| IP degree of protection               | IP65 EN/IEC 60529<br>IP67 conforming to EN/IEC 60529 |

## Ordering and shipping details

|                       |                                            |
|-----------------------|--------------------------------------------|
| Category              | 22419 - PRESSURE SWITCH IEC (HIGH,LOW,GEN) |
| Discount Schedule     | DS2                                        |
| GTIN                  | 03389119639576                             |
| Nbr. of units in pkg. | 1                                          |
| Package weight(Lbs)   | 0.21 lb(US) (0.10 kg)                      |
| Returnability         | No                                         |
| Country of origin     | CH                                         |

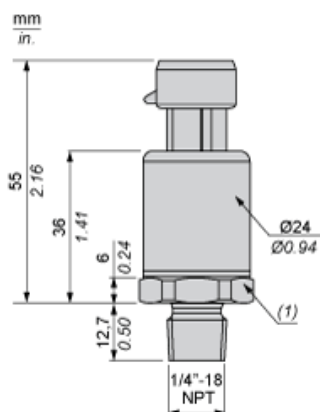
## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.65 in (4.2 cm) |
| Package 1 width        | 1.85 in (4.7 cm) |
| Package 1 Length       | 3.43 in (8.7 cm) |

## 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                    |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |

## Dimensions



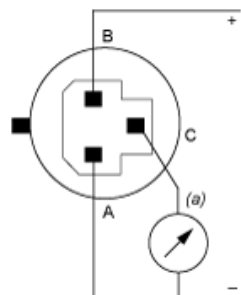
(1) SW24 tightening torque  $\leq 25$  N.m / 221 lb-in

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## Wiring Diagram

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### 3-Wire Technique (0-10 V)



(a) V out

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Curves

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