

# XMEP7K5PT730

Electronic pressure sensors, Pressure sensors XM, transmitter, XMEP, 7500 PSI, 1/4"18NPT, 0...10 V, Deutsch, set of 1



## Main

|                           |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Range of Product          | OsiSense XM                                                                                                          |
| Product or Component Type | Electronic pressure sensors                                                                                          |
| Pressure sensor type      | Pressure transmitter                                                                                                 |
| Pressure sensor name      | XMEP                                                                                                                 |
| Electrical circuit type   | Control circuit                                                                                                      |
| Pressure Rating           | 7500 psi (51710.68 kPa)                                                                                              |
| Local display             | Without                                                                                                              |
| Controlled fluid          | Fresh water 32...257 °F (0...125 °C)<br>Air -40...257 °F (-40...125 °C)<br>Hydraulic oil -40...257 °F (-40...125 °C) |
| Fluid connection type     | 1/4" - 18 NPT (male)                                                                                                 |
| Electrical connection     | DEUTSCH connector DT04-3P 3 pins                                                                                     |
| [Us] rated supply voltage | 24 V DC SELV 12...36 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...7500 psi (0.00...51710.68 kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Maximum permissible accidental pressure | 18750 psi (129276.69 kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Destruction pressure                    | 30000 psi (206842.71 kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Materials in contact with fluid         | Stainless steel AISI 316L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating position                      | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protection Type                         | Load short-circuit<br>Reverse polarity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Electromagnetic compatibility           | Electrostatic discharge immunity test ISO 10605 criteria A 15 kV air, 15 kV contact<br>Susceptibility to electromagnetic fields ISO 11452-2 criteria A 100 V/m 200...2000 MHz<br>Susceptibility to electromagnetic fields ISO 11452-4 criteria A 100 mA 20...400 MHz<br>Susceptibility to conducted disturbances EN/IEC 61000-4-6 criteria A 30 V 0.15...80 MHz<br>Electrical fast transient/burst immunity test EN/IEC 61000-4-4 criteria A 4 kV<br>Susceptibility to conducted transient disturbances ISO 7637-2 criteria B level 3 |
| [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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Long term stability                     | +/- 0.5 % of the measuring range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                   | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Net Weight                              | 0.22 lb(US) (0.098 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|          |                   |
|----------|-------------------|
| Diameter | 1.02 in (26 mm)   |
| Length   | 2.50 in (63.4 mm) |

## Environment

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 61326-2-3<br>ISO 14982<br>EN 13309<br>UL 61010-1<br>ECE 10R-5<br>ISO 13766                      |
| Product Certifications                | CULus<br>CE<br>E2                                                                                      |
| Ambient air temperature for operation | -40...212 °F (-40...100 °C)                                                                            |
| Ambient Air Temperature for Storage   | -58...212 °F (-50...100 °C)                                                                            |
| Vibration resistance                  | 12 gn sinus 20...520 Hz) test 4 ISO 16750-3<br>18 gn random 10...2000 Hz) test 4 ISO 16750-3           |
| Shock resistance                      | 50 gn 11 ms EN/IEC 60068-2-27                                                                          |
| IP degree of protection               | IP65 conforming to EN/IEC 60529<br>IP67 conforming to EN/IEC 60529<br>IP69K conforming to EN/IEC 60529 |

## Ordering and shipping details

|                       |                                            |
|-----------------------|--------------------------------------------|
| Category              | 22419 - PRESSURE SWITCH IEC (HIGH,LOW,GEN) |
| Discount Schedule     | DS2                                        |
| GTIN                  | 3389119637039                              |
| Nbr. of units in pkg. | 1                                          |
| Package weight(Lbs)   | 3.46 oz (98 g)                             |
| Returnability         | No                                         |
| Country of origin     | CH                                         |

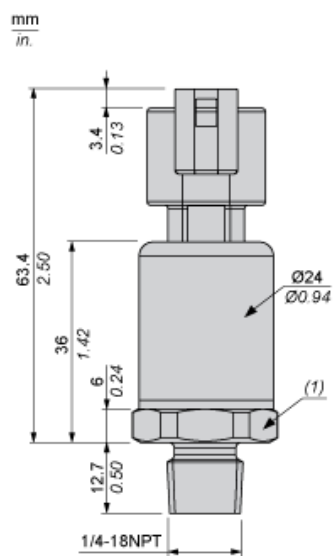
## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.61 in (4.1 cm) |
| Package 1 width        | 1.77 in (4.5 cm) |
| Package 1 Length       | 3.35 in (8.5 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>                                                                                                                                                                                                                                                                                                                                                 |
| 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



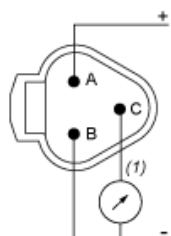
(1) SW24, tightening torque □ 24 N-m / 212 lb-in

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Connections and Schema

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Connector Wiring



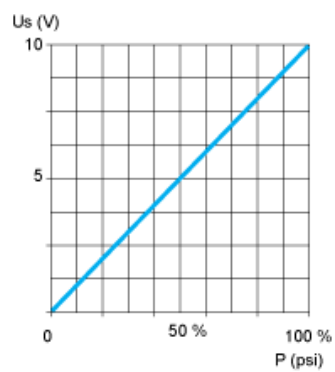
(1) V out

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Performance Curves

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Curves



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