## PURA PRODUCT Range
## Pura Transmitter 4-20mA

### Product Parent Code: PUR-TX-2W
### Pura Transmitter 2-wire 4-20mA

| Base Model | | | |
|---|---|---|---|
| Pura Transmitter 2-wire 4-20 mA | PUR-TX-2W | | |
| **Version** | | | |
| PRM - Double Bagged | | A | |
| OEM - Single Bagged | | B | |
| SEN - Sensor only, no block | | C | |
| **Range** | | | |
| -120 to -40°C (-184 to -40°F) dp range | | | A |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | | R |

| Ordering Example | |
|---|---|
| **PUR-TX-2W-CA** | **Pura Transmitter 4-20mA 2 wire, Sensor only, no block, range -120 to -40°C** |

### Product Parent Code: PUR-2W-M12
### Pura Transmitter M12 2-wire 4-20mA

| Base Model | | | |
|---|---|---|---|
| Pura M12 Transmitter 2-wire 4-20 mA | PUR-2W-M12 | | |
| **Version** | | | |
| PRM - Double Bagged | | A | |
| OEM - Single Bagged | | B | |
| SEN - Sensor only, no block | | C | |
| **Range** | | | |
| -120 to -40°C (-184 to -40°F) dp range | | | A |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | | R |

| Ordering Example | |
|---|---|
| **PUR-TX-M12-AA** | **Pura Transmitter M12 2 wire 4-20mA, Double Bagged, with -120 to 40 °C range.** |

### Product Parent Code: PUR-TX-3W
### Pura Transmitter 3-wire 4-20mA

| Base Model | | | |
|---|---|---|---|
| Pura Transmitter 3-wire 4-20 mA | PUR-TX-3W | | |
| **Version** | | | |
| PRM - Double Bagged | | A | |
| OEM - Single Bagged | | B | |
| SEN - Sensor only, no block | | C | |
| **Range** | | | |
| -120 to -40°C (-184 to -40°F) dp range | | | A |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | | R |

| PUR-TX-3W-CA | | | | Pura Transmitter 4-20mA 3 wire, Sensor only, no block, range -120 to -40°C |
|---|---|---|---|---|

| PURA HAZARDOUS AREA TRANSMITTER | | | | |
|---|---|---|---|---|
| **Product Parent Code: PUR-IS-2W** <br> **Pura Hazardous Area Transmitter 2-wire 4-20mA** | | | | |
| **Base Model** | | | | |
| Pura Hazardous Area Transmitter 2-wire 4-20mA | PUR-IS-2W | | | |
| **Version** | | | | |
| PRM - Double Bagged | | A | | |
| OEM - Single Bagged | | B | | |
| SEN - Sensor only, no block | | C | | |
| **Range** | | | | |
| -120 to -40°C (-184 to -40°F) dp range | | | A | |
| Non-standard measurement range: <br> v = zero value, w = full scale value, <br> x = unit (C = °Cdp, F=°Fdp, P=ppmV) <br> y = Pressure for ppmV conversion in bar/psi, <br> z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig <br><br> e.g. 0-100ppm @ 10barg = 0/100P-10BG | | | R | |
| **Ordering Example** | | | | |
| PUR-IS-2W-AR | | | | Pura Hazardous Area Transmitter 2-wire, 4-20mA, Single Bagged with non standard range (to be specfied with order) |

| PURA ACCESSORIES AND SPARE PARTS | |
|---|---|
| **Spares** | |
| GEN-LABEL | Additional/replacement transmitter labels (price per 2 off labels) |
| EA2-SC | MiniDIN sensor connector socket |
| EA2-SCG | Sensor Connector MiniDIN Gasket |
| **Sampling Accessories** | |
| * DP-MC | BS EN 10204 – type 3.1 Material Certificates |
| GEN-VCRW14GR | ¼" VCR Washer with Gasket Retainer |
| GEN-14VCR6 | ¼" VCR Female to 6mm Swagelok Tube |
| GEN-14VCR14 | ¼" VCR Female to ¼" Swagelok Tube |
| GEN-VCRW12 | 1/2" VCR Washer for sensor to sensor block connection |
| **Electrical Accessories** | |
| GI-PF-01 | KFD0-CS-EX1.50P galvanic isolator (Pepperl & Fuchs) |
| **EA2-CAB-02 | Cable, 2m (6.56') length with MiniDIN 43650 mating socket |
| **EA2-CAB-05 | Cable, 5m (16.4') length with MiniDIN 43650 mating socket |
| **EA2-CAB-10 | Cable, 10m (32.8') length with MiniDIN 43650 mating socket |
| EA2-M12-CAB-0.8 | Sensor Cable, 0.8m (2.62') with M12 Sensor Connector |
| EA2-M12-CAB-02 | Sensor Cable, 2m (6.56') with M12 Sensor Connector |
| EA2-M12-CAB-05 | Sensor Cable, 5m (16.4') with M12 Sensor Connector |
| EA2-M12-CAB-10 | Sensor Cable, 10m (32.8') with M12 Sensor Connector |
| Other cable lengths available upon request | |
| * On certain labor intensive services, no discount can be offered. These items are always offered at list price. | |
| ** EA2-CAB-XX cable assemblies cannot be used with the PURA IS hazardous installation.  Suitable cable with known capacitive and inductive values must be used to ensure compliance with the intrinsically safe system certification. | |

| PURA SERVICE EXCHANGE - Available only with the Sensor mechanical option.  No OEM or PRM mechanical options will be available | |
|---|---|
| **Service Exchange will be charged at new unit price when the order is placed.  After the old sensor is returned and inspected, a 40% credit will be given.  The price given below in the shaded boxes, is the 60% final price, after return and inspection.** | |

| **Product Parent Code: PUR-TX-X** <br> **Service Exchange** | | | |
|---|---|---|---|
| **Base Model** | | | |
| Pura Service Exchange Transmitter  (supplied with traceable calibration certificate, old sensor to be returned to MIL in 21 days) | PUR-TX-X | | |
| **Version** | | | |
| 2-wire transmitter | | A | |

| | | | |
|---|---|---|---|
| 3-wire transmitter | | B | |
| Digital transmitter for advanced online monitor | | C | |
| **Range** | | | |
| -120 to -40°C (-184 to -40°F) dp range | | A | |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | R | |

| **Ordering Example** |
|---|
| **PUR-TX-XAA** | **Service Exchange for Pura Transmitter, 2-wire, 4-20 mA output , measurement range -120 to -40°C (-184 to -40°F) dp** |

**Product Parent Code: PUR-IS-2W-X**
**Service Exchange**

| **Base Model** | | | |
|---|---|---|---|
| Pura Service Exchange Hazardous Area Transmitter 2-wire | PUR-IS-2W-X | | |
| **Version** | | | |
| SEN - Sensor only, no block | | A | |
| **Range** | | | |
| -120 to -40°C (-184 to -40°F) dp range | | A | |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | R | |

| **Ordering Example** |
|---|
| **PUR-IS-2W-XAR** | **Service Exchange for Pura hazardous area transmitter, 2 wire with non standard range.  Range to be specified with order.** |

**Product Parent Code: PUR-2W-M12-X**
**Service Exchange**

| **Base Model** | | | |
|---|---|---|---|
| Pura M12 Transmitter 2-wire Service Exchange | PUR-2W-M12-X | | |
| **Version** | | | |
| SEN - Sensor only, no block | | A | |
| **Range** | | | |
| -120 to -40°C (-184 to -40°F) dp range | | A | |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | R | |

| **Ordering Example** |
|---|
| **PUR-2W-M12-XAA** | **Pura M12 Transmitter 2-wire Service Exchange with -120 to 40°C (-184 to -40°F) dp range** |

| **Pura Calibration Services** | |
|---|---|
| PUR-TX-PRM-Recal | Recalibration of Pura Premium (13 points between -100 and +20°C (-184 to +68°F) dp. Supplied w/calibration certificate traceable to national standards) |
| PUR-TX-OEM-Recal | Recalibration of Pura OEM (13 points between -100 and +20°C (-184 to +68°F) dp. Supplied w/calibration certificate traceable to national standards) |
| PUR-TX-SEN-Recal | Recalibration of Pura Sensor (13 points between -100 and +20°C (-184 to +68°F) dp. Supplied w/calibration certificate traceable to national standards) |
| PUR-TX-IS-PRM-CAL | Recalibration of Pura IS Premium (13 points between -100 and +20°C (-184 to +68°F) dp. Supplied w/calibration certificate traceable to national standards) |
| PUR-TX-IS-OEM-CAL | Recalibration of Pura IS OEM (13 points between -100 and +20°C (-184 to +68°F) dp. Supplied w/calibration certificate traceable to national standards) |
| PUR-TX-IS-SEN-CAL | Recalibration of Pura I.S. (Supplied w/calibration certificate traceable to national standards) |
| READINGS-DPS | Readings before calibration (calibration data recorded before adjustment) - Dew-Point Sensors |

# PURA PRODUCT RANGE

## Product Parent Code: PUR-OL
### Pura Online Hygrometer (includes PUR-TX-2W Sensor)

| Base Model | | | | |
|---|---|---|---|---|
| Pura Online Hygrometer (includes PUR-TX-2W Sensor) | PUR-OL | | | |

| Version | | | | |
|---|---|---|---|---|
| PRM - Double Bagged | | A | | |
| OEM - Single Bagged | | B | | |
| SEN - Sensor only, no block | | C | | |

| Range | | | | |
|---|---|---|---|---|
| -120 to -40°C (-184 to -40°F) dp range | | | A | |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | | R | |

| Power | | | | |
|---|---|---|---|---|
| 85 to 265 V AC | | | | A |
| 24 V DC | | | | B |

| Electrical Connector | | | | |
|---|---|---|---|---|
| Standard sensor cable 2m (6.56') with fittings | | | | A |
| Standard sensor cable 5m (16.4') with fittings | | | | B |
| Standard sensor cable 10m (32.8') with fittings | | | | C |

Other cable lengths available upon request

| Ordering Example | |
|---|---|
| **PUR-OL-AABC** | **Pura Online Hygrometer (includes PUR-TX-2W sensor), double bagged, -120 to -40°C (-184 to -40°F) dp range, 24 V DC, Standard sensor cable, 10m (32.8') with fittings** |

## Product Parent Code: PUR-IS-OL
### Pura Hazardous Area Online Hygrometer (not supplied with galvanic isolator) (includes PUR-TX-2W Sensor)
### MONITOR MUST BE USED IN SAFE AREA

| Base Model | | | | |
|---|---|---|---|---|
| Pura Hazardous Area Online Hygrometer (not supplied with galvanic isolator) (includes PUR-IS-2W Sensor) | PUR-IS-OL | | | |

| Version | | | | |
|---|---|---|---|---|
| PRM - Double Bagged | | A | | |
| OEM - Single Bagged | | B | | |
| SEN - Sensor only, no block | | C | | |

| Range | | | | |
|---|---|---|---|---|
| -120 to -40°C (-184 to -40°F) dp range | | | A | |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | | R | |

| Power | | | | |
|---|---|---|---|---|
| 85 to 265 V AC | | | | A |
| 24 V DC | | | | B |

| Electrical Connector | | | | |
|---|---|---|---|---|
| Standard sensor cable 2m (6.56') with fittings | | | | A |

| Standard sensor cable 5m (16.4') with fittings | | | B | |
|---|---|---|---|---|
| Standard sensor cable 10m (32.8') with fittings | | | C | |

| Other cable lengths available upon request |
|---|

| Ordering Example |
|---|

| **PUR-IS-OL-AABC** | **Pura Hazardous Area Online Hygrometer (includes PUR-TX-2W sensor), double bagged, -120 to -40°C (-184 to -40°F) dp range, 24 V DC, Standard sensor cable, 10m (32.8') with fittings** |
|---|---|

## PURA Online Hygrometer Monitor Only

**Product Parent Code: PUR-OL-MON**
**Pura Online Hygrometer Monitor Only (Spare Monitor for Online and Hazardous Online Systems)**

| Base Model | | | | |
|---|---|---|---|---|
| Pura Online Hygrometer Monitor Only (Spare Monitor for Online and Hazardous Online Systems) | PUR-OL-MON | | | |

| Range | | | | |
|---|---|---|---|---|
| -120 to -40°C (-184 to -40°F) dp range | | A | | |
| Non-standard measurement range:<br>v = zero value, w = full scale value,<br>x = unit (C = °Cdp, F=°Fdp, P=ppmV)<br>y = Pressure for ppmV conversion in bar/psi,<br>z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)<br><br>e.g. 0-100ppm @ 10barg = 0/100P-10BG | | R | | |

| Power | | | | |
|---|---|---|---|---|
| 85 to 265 V AC | | | A | |
| 24 V DC | | | B | |

| Cable | | | | |
|---|---|---|---|---|
| Standard sensor cable 2m (6.56') with fittings | | | | A |
| Standard sensor cable 5m (16.4') with fittings | | | | B |
| Standard sensor cable 10m (32.8') with fittings | | | | C |

| Other cable lengths available upon request |
|---|

| Ordering Example |
|---|

| **PUR-OL-MON-AAB** | **Pura Online Hygrometer Monitor Only, -120 to -40°C (-184 to -40°F) dp range, 85 to 265 V AC, with standard sensor cable 5m (16.4') with fittings** |
|---|---|

## PURA ACCESSORIES AND SPARE PARTS

### Spares

| GEN-LABEL | Additional/replacement transmitter labels (price per 2 off labels) |
|---|---|
| EA2-SC | MiniDIN sensor connector socket |
| EA2-SCG | Sensor Connector MiniDIN Gasket |

### Sampling Accessories

| * DP-MC | BS EN 10204 – type 3.1 Material Certificates |
|---|---|
| GEN-VCRW14GR | ¼" VCR Washer with Gasket Retainer |
| GEN-14VCR6 | ¼" VCR Female to 6mm Swagelok Tube |
| GEN-14VCR14 | ¼" VCR Female to ¼" Swagelok Tube |
| GEN-VCRW12 | 1/2" VCR Washer for sensor to sensor block connection |

### Electrical Accessories

| GI-PF-01 | KFD0-CS-EX1.50P galvanic isolator (Pepperl & Fuchs) |
|---|---|
| **EA2-CAB-02 | Cable, 2m (6.56') length with MiniDIN 43650 mating socket |
| **EA2-CAB-05 | Cable, 5m (16.4') length with MiniDIN 43650 mating socket |
| **EA2-CAB-10 | Cable, 10m (32.8') length with MiniDIN 43650 mating socket |
| EA2-OL-MON-29739 | RS485 Serial Comms Cable for Online monitor |

| Other cable lengths available upon request |
|---|
| * On certain labor intensive services, no discount can be offered. These items are always offered at list price. |
| ** EA2-CAB-XX cable assemblies cannot be used with the PURA IS hazardous area installation.  Suitable cable with known capacitive and inductive values must be used to ensure compliance with the intrinsically safe system certification. |
| PURA CALIBRATION SERVICES - See details on previous page (MIL Pura TX) |

**Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: Pura Order Codes_99209_V12_UK_Order Codes_0725**