

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:
v = zero value, w = full scale value,
x = unit (C = °Cdp, F=°Fdp, P=ppmV)
y = Pressure for ppmV conversion in bar/psi,
z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig
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

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:
v = zero value, w = full scale value,
x = unit (C = °Cdp, F=°Fdp, P=ppmV)
y = Pressure for ppmV conversion in bar/psi,
z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig
e.g. 0-100ppm @ 10barg = 0/100P-10BG

R

Ordering Example

PUR-2W-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: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig 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 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: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig 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 specified 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 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: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig 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: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig 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: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig 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:

v = zero value, w = full scale value,

x = unit (C = °Cdp, F = °Fdp, P = ppmV)

y = Pressure for ppmV conversion in bar/psi,

z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)

R

e.g. 0-100ppm @ 10barg = 0/100P-10BG

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:

v = zero value, w = full scale value,

x = unit (C = °Cdp, F = °Fdp, P = ppmV)

y = Pressure for ppmV conversion in bar/psi,

z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)

R

e.g. 0-100ppm @ 10barg = 0/100P-10BG

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:

v = zero value, w = full scale value,

x = unit (C = °Cdp, F = °Fdp, P = ppmV)

y = Pressure for ppmV conversion in bar/psi,

z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig)

R

e.g. 0-100ppm @ 10barg = 0/100P-10BG

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)

PURA PRODUCT RANGE

Product Parent Code: PUR-AOL2
Pura Advanced Online Hygrometer (includes Pura Digital Sensor)

Base Model

Pura Advanced Online 2 Hygrometer PUR-AOL2

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

Power

85 to 265 V AC	A
18 to 28V DC	B

Electrical Connector

M12 Sensor Cable 2m	A
M12 Sensor Cable 5m	B
M12 Sensor Cable 10m	C

Ordering Example

PURA Advanced Online Hygrometer Monitor Only

Product Parent Code: PUR-AOL2-MON
PURA Advanced Online 2 Hygrometer Monitor Only

Base Model

Pura Advanced Online 2 Monitor PUR-AOL2-MON

Input

Modbus RTU/RS485 Sensor Input	A
Michell Mnet Sensor Input	B

Range

-120 to -40°C (-184 to -40°F) dp range A

Power

85 to 265 V AC	A
18 to 28V DC	B

Cable

No Sensor Cable for Mnet	A
M12 Sensor Cable 2m	B
M12 Sensor Cable 5m	C
M12 Sensor Cable 10m	D

Ordering Example

PUR-AOL2-MON-AAAD Pura Advanced Online 2 Monitor, Modbus RT/RS485 Sensor Input, -120 to -40°C (-184 to -40°F) dp range, 85 to 265 V AC power, with M12 Sensor Cable 10m

PURA ACCESSORIES AND SPARE PARTS

Spares

GEN-LABEL	Additional/replacement transmitter labels (price per 2 off labels)
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	
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.	
Product Parent Code: PUR-2W-M12 Pura Transmitter M12 2-wire 4-20mA	
Base Model	
Pura M12 Transmitter 2-wire 4-20 mA	PURA-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: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig e.g. 0-100ppm @ 10barg = 0/100P-10BG	R
Ordering Example	
PUR-2W-M12-AA	Pura Transmitter M12 2 wire 4-20mA, Double Bagged, with -120 to 40 °C range.
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_97256_V12_UK_0725