

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 and cleaned for oxygen service

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

Version

PRM - Double Bagged and cleaned for oxygen service

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 and cleaned for oxygen service		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-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 and cleaned for oxygen service		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

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

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 and cleaned for oxygen service

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

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 and cleaned for oxygen service

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

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 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)

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 and cleaned for oxygen service

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

PUR-AOL2-BAAA

Pura Advanced Online 2 Hygrometer, Single bagged, -120 to -40°C (-184 to -40°F) dp range, 85 to 265 V AC, M12 Sensor Cable 2m

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	PUR-2W-M12		
Version			
PRM - Double Bagged and cleaned for oxygen service		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_V10_UK_0126