

## XW/XR/XD Wall/Duct Humidity/Temperature Transmitters

Cost effective "smart" humidity/temperature transmitters with a single, two wire 4~20mA output or dual, two wire 4~20mA output. The design uses a digital sensor which plugs into the sensor stem. A 4-digit (9mm) LED display option is also available which can be rotated to suit the application. The product will measure humidity, temperature, dew point and delta T (the difference between dew point and ambient temperature) values. Supplied pre-ranged but can easily be configured using the **TX-KIT** (USB Transmitter Configuration Kit), if required.



Technical Details (specifications at 20°C)		
Input	Sensor Type	Humidity/Temperature
	Humidity Range	0 to 100 %RH
	Temperature Range	-30°C to +100°C
	Process Accuracy (without Alignment)	Humidity: ±2 %RH, Temperature: ±0.4°C
CH1 Output (CH2 when fitted)	Humidity Range	0 to 100 %RH
	Temperature Range	-30°C to +100°C (-22°F to +212°F)
	Dew Point Range	-30°C to +100°C (-22°F to +212°F)
	Delta T (Ambient - Dew Point) Range	0°C to +50°C (+32°F to +122°F)
	Output Type	2 wire 4~20mA current loop
	Output Range	4.0 to 20.0 mA
Display	Type	4-digit (9mm) red LED
	Ranges	Humidity, Temperature, Dew Point
	Resolution	0.1% - 0.1 °C/°F
	Update Rate	800ms
General Specification	Update Time	3 seconds
	Start-up Time	10 seconds (I out < 4mA during start-up)
	Power Supply	10-30 V DC; 15-30 V DC (with display)
Environmental	Probe Ambient Operating Range	-30°C to +100°C (-22°F to +212°F)
	Probe Ambient Humidity Range	0 to 100 %RH
	Transmitter Ambient Operating Range	-30°C to +85°C (-22°F to +185°F)
	Transmitter Ambient Storage Temperature	-50°C to +90°C (-58°F to +194°F)
	Transmitter Ambient Humidity Range	10 to 90 %RH non-condensing
Approvals	EMC - BS EN 61326, ANNEX A, ANNEX F IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5	



(XW) Wall-Mounted Transmitter



(XR) Wall-Mounted Transmitter with Remote Sensor



(XD) Duct-Mounted Transmitter

Transmitter Type	Input	Output	Display	Stem Length	Cable	Order Code
Wall-Mounted Transmitter	Humidity	Single, 2 wire 4~20mA	None	170mm	N/A	XW161B
	Humidity	Single, 2 wire 4~20mA	4-digit LED	170mm	N/A	XW161H
	Humidity / Temperature	Dual, 2 wire 4~20mA	4-digit LED	170mm	N/A	XW162H
Wall-Mounted Transmitter with Remote Sensor	Humidity	Single, 2 wire 4~20mA	None	170mm	2m	XR161B2
	Humidity	Single, 2 wire 4~20mA	None	170mm	5m	XR161B5
	Humidity	Single, 2 wire 4~20mA	4-digit LED	170mm	2m	XR161H2
	Humidity	Single, 2 wire 4~20mA	4-digit LED	170mm	5m	XR161H5
	Humidity / Temperature	Dual, 2 wire 4~20mA	4-digit LED	170mm	2m	XR162H2
	Humidity / Temperature	Dual, 2 wire 4~20mA	4-digit LED	170mm	5m	XR162H5
	Duct-Mounted Transmitter	Humidity	Single, 2 wire 4~20mA	None	250mm*	N/A
Humidity		Single, 2 wire 4~20mA	4-digit LED	250mm*	N/A	XD161H
Humidity / Temperature		Dual, 2 wire 4~20mA	4-digit LED	250mm*	N/A	XD162H

\* Also available with 120mm and 530mm stem lengths. Contact sales for further information.

## TX-KIT USB Transmitter Configuration Kit (XW/XR/XD Transmitters)



Enables easy programming of XW/XR/XD humidity/temperature transmitters by following the simple software instructions (free software available via supplied internet link). The product being programmed is automatically powered from the computer's USB port, so no additional power supply is required. Includes: 1 x USB A/M to Jack configurator lead, 1 x Jack socket to crock clip adaptor (in-head transmitters), 1 x Jack socket to Pin connectors (DIN rail transmitters) and 1 x USB A/M to mini B/M connector.

Order Code

TX-KIT

