

XW/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.

The product will measure humidity, temperature, dew point and delta T (the difference between dew point and ambient temperature) values.

An LCD display option is also available provides a visual indication of the process parameters. The display may be set to indicate either humidity, temperature, dew point or toggle between all three parameters.

Supplied pre-programmed can be easily 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 +70°C
	Process Accuracy (without Alignment)	Humidity: ±2 %RH, Temperature: ±0.4°C
CH1/CH2 Output	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	LCD 79mm
	Ranges	Humidity, Temperature, Dew Point
	Resolution	0.1% - 0.1 °C/°F
	Update Rate	1s
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)
	Probe Ambient Operating Range	-30°C to +70°C (-22°F to +158°F)
Environmental	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	



(XD) Duct-Mounted Transmitter

(XW) Wall-Mounted Transmitter

transmitter type	input	output	display	stem length	cable	order code
Wall-Mounted Transmitter	Humidity	Single, 2 wire 4~20mA	None	128mm	N/A	XW161B
	Humidity	Single, 2 wire 4~20mA	LCD	128mm	N/A	XW161H
	Humidity / Temperature	Dual, 2 wire 4~20mA	LCD	128mm	N/A	XW162H
Duct-Mounted Transmitter	Humidity	Single, 2 wire 4~20mA	None	266mm	N/A	XD161B
	Humidity	Single, 2 wire 4~20mA	LCD	266mm	N/A	XD161H
	Humidity / Temperature	Dual, 2 wire 4~20mA	LCD	266mm	N/A	XD162H

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



Enables easy programming of XW/XD humidity/temperature transmitters by following the simple software instructions (free software available via supplied website 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.

Visit our website for latest software functionality and compatibility information.

order code

TX-KIT