

HUMIDITY AND TEMPERATURE TRANSMITTERS

Selection Guide



WALL MOUNT TYPE

DUCT MOUNT TYPE



Input Type		RHT integrated probe	RHT extended probe (3 m cable)	RHT extended probe for flange mount (3 m cable)	RHT integrated probe	RHT integrated probe	RHT integrated probe (Length Options: 150, 250 and 400 mm)	
Measurement Range	Temperature	-10 to 60 °C	-40 to 120 °C		-40 to 100 °C	-40 to 60 °C	-40 to 120 °C	-40 to 100 °C
	Humidity		0 to 100% RH			0 to 100% RH	0 to 100% RH	
Measurement Accuracy	Temperature		±0.4 °C @ 25 °C			±0.4 °C (0-60 °C)	±0.4 °C @ 25 °C	±0.4 °C (0-60 °C)
	Humidity		±3% @ 25 °C and 20-80% RH			±1.8% RH @ 0-60 °C and 0-90% RH	±3% @ 25 °C and 20-80% RH	±1.8% RH @ 0-60 °C and 0-90% RH
Measurement Resolution	Temperature		0.1 °C (14 bits)			0.1 °C (14 bits)		0.1 °C (14 bits)
	Humidity		0.1% (12 bits)			0.1% (12 bits)		0.1% (12 bits)
Analog Outputs		4-20 mA (20-4 mA)	4-20 mA			4-20 mA (20-4 mA) or 0-10 V (10-0 V)	4-20 mA (20-4 mA)	4-20 mA (20-4 mA) or 0-10 V (10-0 V)
Analog Output Resolution		OUT1: 0.006 mA OUT2: 0.022 mA	OUT1: 0.006 mA OUT2: 0.022 mA			0.006 mA or 0.003 V	OUT1: 0.006 mA OUT2: 0.022 mA	0.006 mA or 0.003 V
Response Time	Temperature		30 s			5 s	30 s	5 s
	Humidity		8 sec (air speed 1 m/s)			4 sec (air speed 1m/s)	8 sec (air speed 1m/s)	4 sec (air speed 1m/s)
Isolation		4-20 mA isolated					4-20 mA isolated	
Display					LCD with 2 indications			Backlight LCD with 3 indications
Advanced Functions		Dew Point	Dew Point	Dew Point	Battery Level Dew Point indication	Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration	Dew Point	Psychrometric Properties, Buzzer for Alarm, 2 Alarm Outputs, Max and Min Values, Input Simulation, Output Simulation, Custom Calibration
USB Configuration		by TxConfig adapter			internal Micro-B type	Micro-B type	by TxConfig adapter	Micro-B type
Communication Interface					IEEE 802.15.4	Optional RS485 Modbus RTU	Optional RS485 Modbus RTU	
Configuration Software		SigNow	TxConfig		DigiConfig	SigNow	SigNow	
Certifications		CE	Anatel / FCC	CE		CE	CE	
Operating Conditions (Enclosure)		-10 to 65 °C, 0 to 95% RH			-10 to 70 °C 0 to 95% RH	-40 to 60 °C, 0 to 95% RH	-10 to 65 °C 0 to 95% RH	-40 to 60 °C, 0 to 95% RH
Power Supply		12-30 Vdc			12-30 Vdc or 3.6 V Lithium Battery	12-30 Vdc	12-30 Vdc	
Dimensions	Box	70 x 60 x 35 mm				100 x 80 x 45 mm	70 x 60 x 35 mm	100 x 80 x 45 mm
	Probe size	39 mm	124 mm	½" BSP Ø 75 mm ½" NPT Ø 75 mm	39 mm	52 mm	150, 250 and 400 mm	
Protection Rating		Box IP65, Probe IP40			IP40	Box IP65, Probe IP40 (PTFE) or IP20 (Polyamide)	Box IP65, Probe IP40	Box IP65, Probe IP40 (PTFE) or IP20 (Polyamide)