

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 (Lenght 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 (20-4 mA) or 0-10 V (10-0 V)			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		0.0008 mA		0.0008 mA (4-20 mA model) or 0.003 V (0-10 V model)			0.006 mA or 0.003 V		0.0008 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			Backlight LCD with 3 indications
Advanced Functions		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		TxConfig-USB Interface				internal Micro-B type	Micro-B type		TxConfig-USB Interface	Micro-B type
Communication Interface						IEEE 802.15.4	Optional RS485 Modbus RTU		Optional RS485 Modbus RTU	
Configuration Software		SigNow				DigiConfig	SigNow		SigNow	
Certifications		CE Mark				Anatel/FCC/CE Mark	CE Mark		CE Mark	
Operating Conditions (Enclosure)		-20 to 70 °C, 0 to 95% RH				-10 to 70 °C 0 to 95% RH	-40 to 60 °C, 0 to 95% RH		-20 to 70 °C, 0 to 95% RH	-40 to 60 °C, 0 to 95% RH
Power Supply		12 to 30 Vdc (loop powered)				12-30 Vdc or 3.6 V Lithium Battery	12-30 Vdc		12 to 30 Vdc (loop powered)	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 ¼" NPT Ø 75 mm		39 mm	52 mm		150 and 250 mm	150, 250 and 400 mm
Protection Rating		Housing in PA-GF, Box IP65, Probe IP40					Housing in PA-GF, Box IP65, Probe IP40		Housing in PA-GF, Box IP65, SS316 or PA-GF rod, Probe IP40	Housing in PA-GF, Box IP65, SS316 rod, Probe IP40