

TRH

- RELATIVE HUMIDITY AND HUMIDITY + TEMPERATURE TRANSMITTERS
- WALL MOUNTING



FEATURES

GENERAL	TRH 20	TRH 22	TRH 11	TRH 32
Humidity sensor	Capacitive-digital		Capacitive	
Temperature sensor	--	NTC thermistor	--	PT100 thermoresistance (class B)
Humidity range	5... 95% RH (4.8... 19.2 mA)	5... 95% RH (4.8... 19.2 mA)	0... 100% RH (4... 20 mA)	0... 100% RH (4... 20 mA)
Temperature range	--	-10... 70 °C / 14... 158 °F (7.2... 20 mA)	--	-30... 70 °C / -22... 158 °F (4... 20 mA)
Humidity output	4... 20 mA (0... 100% RH)			
Temperature output	--	4... 20 mA (-30... 70 °C / -22... 158 °F)	--	4... 20 mA (-30... 70 °C / -22... 158 °F)
Humidity overall accuracy	± 3% (20... 80% RH); ± 5% (5... 20, 80... 95% RH) without the presence of pollutants at 23 °C and air speed 3 ms		±2% (10... 95% RH); ±3% (0...10/ 95... 100% RH) without the presence of pollutants at 23 °C and air speed 3 ms	±1.5% (10... 95% RH), ±2% (0...10/ 95...100 % RH) without the presence of pollutants at 23 °C and air speed 3 ms
Temperature overall accuracy	--	± 1.5 °C	--	±0.9%
Further error in presence of pollutants	--		± 2% RH	
Response time	30 sec (at 23 °C and air speed 3 ms)		30 sec to reach 63% of the variation (at 23 °C and air speed 3 ms)	
Recovery time after saturation	--		90 sec. approx.	
Maximum air speed	--		20 ms	
Temperature compensation	--		By means of NTC thermistor	
POWER SUPPLY				
Power supply	8... 24 VDC		9... 30 VDC	
MECHANICAL				
Mounting	On wall			
Air filter	Wire mesh		Polyethylene	
Dimensions	Ø 20 x 185 mm		80 x 80 mm, depth 52 mm	
Case protection degree	IP65			
Connections	With flexible non separating cable in PVC 2 x 0.25 mm ² Length 1.5 m		Screw terminals 2.5 mm ²	
Recommended cable for connection	--		2 x 0.75 0 2 x 1 mm ²	



HOW TO ORDER

CODE	DESCRIPTION
TRH 20	Probe Humidity 5 ... 95% 4 .. 20 mA output Cylindrical execution
TRH 22	Probe Humidity 5 ... 95% + Temperature 4 .. 20 mA output Square execution
TRH 11	Humidity sensor 0 ... 100% 4 .. 20 mA output Cylindrical execution
TRH 32	Humidity sensor 0 ... 100% + Temperature 4 .. 20 mA output Square execution

DIMENSIONS

