

# TRH

- RELATIVE HUMIDITY AND HUMIDITY AND TEMPERATURE TRANSMITTERS
- WALL MOUNTING



## FEATURES

GENERAL	TRH 200	TRH 301	TRH 324	TRH 514
Humidity sensor	CMOS-C			
Temperature sensor	--	Thermistor NTC 10 1% Beta 3435 1%	Digital	
Humidity scale range	0... 100% RH			
Temperature scale range	--	-30... 70°C (-22... 158°F)	-30... 100°C (-22... 212°F)	-30... 70°C (-22... 158°F)
Humidity output	4... 20 mA (0... 100% RH)		0... 10V (0... 100%RH)	4... 20 mA (0... 100% RH)
Temperature output	--	4... 20 mA (-30... 70°C)	0... 10V (-30... 100°C)	4... 20 mA (-30... 70°C)
Total humidity accuracy	± 3.0 % RH			± 1.8 % RH
Total temperature accuracy	--	± 3.0°C		± 0.2°C
Response time under constant conditions (63%) at 23°C	30 sec		10 sec	30 sec
Recovery time from saturation	90 sec		15 sec	90 sec
Long-term drift	<0.5 %RH/year			<0.25 %RH/year
Data refresh	5 sec			
<b>POWER SUPPLY</b>				
Power supply	9... 30 Vdc		12... 30 Vdc	9... 30 Vdc
<b>MECHANICAL</b>				
Mounting	On wall with clips			Wall mounted with removable screw terminal block
Air filter	PTFE with polyester cloth			PTFE with 2 o-rings and spring
Dimensions	∅ 16 x 105 mm	∅ 16 x 130 mm		105 x 70 mm, depth 40 mm
Case protection	IP54	IP67		
Connections	With 2 m non-separable flexible cable		With 5 m non-separable flexible cable	Via screw terminals
Room temperature	-30... 70°C		-30... 80°C	-30... 70°C

## HOW TO ORDER

CODE	DESCRIPTION
TRH 200	Humidity probe 0 ... 100% 4 ... 20 mA output Cylindrical execution
TRH 301	Humidity probe 0 ... 100% + Temperature 4 ... 20 mA + NTC outputs Cylindrical execution
TRH 324	Humidity probe 0 ... 100% + Temperature 0 ... 10 V output Cylindrical execution
TRH 514	Humidity probe 0 ... 100% + Temperature 4 .. 20 mA output Execution in rectangular box

## DIMENSIONS

