

Humidity/Temperature Transmitter

TRH-300 Series

■ IP65 ■ CE ■ RoHS

Accurate relative humidity and temperature measurement
 IP65 rated for dust and Water intrusion
 Current or voltage outputs
 Available as wall, duct or separated mounting versions

Model No:

TRH-301 Temperature Transmitter

TRH-302 Humidity Transmitter

TRH-303 Temp. and Humidity Transmitter



Model: **TRH-300DF**

1/2" NPT male connection for high Pressure use.

Specifications of TRH-300

Measurement Range	0 ~ 100% RH 0 ~ 100°C (-20 ~ +80°C, 0 ~ 50°C, -40 ~ +60°C available)
Accuracy (At 25°C)	±2 % RH, ±0.3°C (※Power supply = 24VDC)
Long-term stability	Better than 1% RH per year (Typical)
Temp. Compensation	± 0.008%RH/°C (Effect @ 0 %RH)
Response	<15 seconds (90 % at +25°C in moving air over 0.5 M/S)
Sensors	Humidity: Thin-film capacitor Temperature: RTD Pt 100Ω IEC 751, DIN43760
Output	Current output : Humidity :4 ~ 20 mA Two wire Temperature:4 ~ 20 mA Two wire Voltage output : 0 to 1V, 0 to 5V, 0 to 10V or 1 to 5V, Selectable ※Other scales possible upon request.
Fine adjustment	Zero and Span adjustable by spare potentiometer.
Power Supply	12 ~ 40V DC, > 150 mA
Housing / Protection	ABS plastic watertight enclosure (IP 65)
Cable gland	Liquid-tight nylon, cable Bushing: φ 5-10mm
Ambient Temperature	-40 ~ +85°C (-40 ~ +185°F)
Weight	Approx. 150g

※Specifications are subject to change without notice.

Humidity / Temperature Transmitter

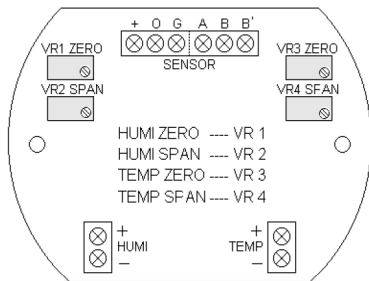
TRH-300 Series

ORDERING INFORMATION

MODEL NO.	DESCRIPTIONS	
TRH-301	Temperature Transmitter	
TRH-302	Humidity Transmitter	
TRH-303	Humidity / Temperature Transmitter	
Shape (Mounting Type)	W	Wall mount Type
	D	Duct mount type
	S	Sensor separated Type
	DF	1/2"NPT male connection for high Pressure use.
Output	A	Current output
	V	Voltage output

Example: TRH-303WA Humidity and Temperature transmitter, wall mount type, Current output.

ON-SITE CALIBRATION & WIRING



Humidity Calibration:

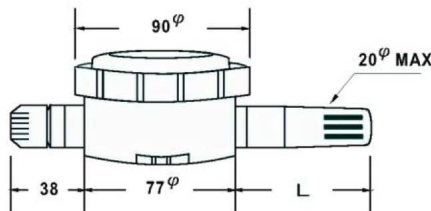
VR 1ZERO Humidity
VR 2SPAN Humidity

Temperature Calibration:

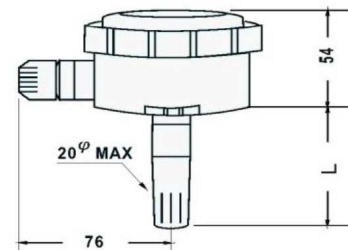
VR 3ZERO Temperature
VR 4SPAN Temperature

EXTERNAL DIMENSIONS (mm)

Wall mount type

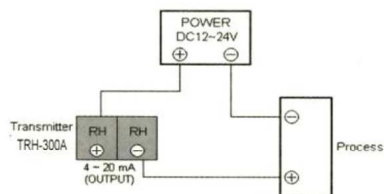


Duct mount type



CONNECTING DIAGRAM

TRH-300A Current output type



TRH-300V Voltage output type

