

Humidity/Temperature Transmitter

TRH-300 series

TRH-300 series transmitters are designed for accurate relative humidity and temperature measurement, their electrical signal outputs are used for monitoring, control or process applications, with current or voltage outputs. There are available as wall, duct or separated mounting versions, and housing suitable with Watertight enclosure for wet, harsh environments.

- fast, stable and accurate.
- Watertight enclosure.
- Compact size, Easy mounting.
- Excellent Long-term stability.
- Wide input voltage range.
- Available with either Current or Voltage output.
- On-site, Two point calibration. (Zero and span.)



Model No: TRH-301 Temperature Transmitter
 TRH-302 Humidity Transmitter
 TRH-303 Temperature and Humidity Transmitter



SPECIFICATIONS

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)
Longterm 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 scalings possible upon request.
Fine adjustment	Zero and Span adjustable by separated 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.



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