

TRH-300 Temperature / Humidity Transmitter

TRH-300 series utilizes a thin-film polymer capacitor to sense relative humidity, and a thin-film RTD to accurately sense temperature.



Features:

- Fast, stable and accurate.
- Watertight enclosure.
- Compact size, Easy mounting.
- Excellent Long-term stability.
- Wide input voltage range.(12Vdc~40Vdc)
- Available with either Current or Voltage output.
- On-site, Two point calibration. (Zero and span)

W: Wall Mount type

D: Duct Mount type

S: Separated Type

TRH-301 Temperature transmitter

TRH-302 Humidity transmitter

TRH-303 Temp./humi. Transmitter

Measuring 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
stability	Better than 1% RH per year (Typical)
Temperature compensation	±0.008% RH / °C (Effect @ 0% RH)
Response time	< 15 seconds (90% at +25°C in moving air at 0.5 M/S)
Sensor	Humidity: Thin-film capacitor Temperature: RTD Pt 100Ω DIN, IEC751
Signal output	Humi: 4~20mA Two wire Temp: 4~20mA Two wire (selectable) ※ Selectable signal output of 0 to 1 V, 0 to 5 V, 0 to 10 V or 1 to 5V. (option)
Working Voltage	12~36 VDC (AC/DC order-made)
Sensor protection	Sintered filter, Part No. TR-3066. (option)
Working ambient	-40~+85°C (-40~+185°F)
Weight	Approx. 150 g

ABS plastic watertight enclosure (IP 65)

Connection Liquid-tight nylon, cable Bushing: 5-10mm cables