

HUMIDITY / TEMPERATURE TRANSMITTER

溫、濕度信號傳送器 TRH-300series

TRH-300 series utilizes a thin-film polymer capacitor to sense relative humidity, and a thin-film RTD to accurately sense temperature. The sensing element's multilayer dust, dirt, oil, and common environmental chemicals.

- 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).

Model:

TRH-301 Temperature transmitter

TRH-302 Humidity transmitter

TRH-303 Temp./humi. Transmitter



SPECIFICATIONS

Measurement Range	0~100 % RH 0~100°C (-20~+80°C, 0~50°C, -10~+60°C available)
Accuracy (At 25°C)	± 2 % RH, ± 0.3°C
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 at 0.5 M/S)
Sensors	Humidity : Thin-film capacitor Temperature : RTD Pt 100 Ω IEC 751, DIN43760
Output	Humi : 4~20 mA Two wire Temp : 4~20 mA Two wire (scalable) ▲ Selectable signal output of 0 to 1V, 0 to 5V, 0 to 10V or 1 to 5V. (option)
Supply Voltage	12~40V DC
Sensor Protection	Sintered filter, Part, No. TR-3066 (option)
Housing	ABS plastic watertight enclosure (IP 65)
Connections	Liquid-tight nylon, cable Bushing: φ5-10mm cables
Ambient Temperature	-40~+85°C (-40~+185°F)
Weight	Approx. 150g

Analog output option for Voltage available, please inquire.

SMART METER

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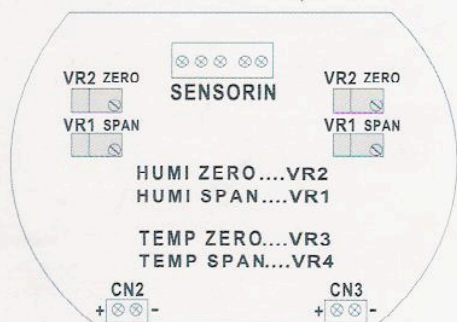
HUMIDITY / TEMPERATURE TRANSMITTER TRH-300 series

ORDERING INFORMATIONS 機型代號

Model 型號	DESCRIPTIONS 功能內容		
TRH-301	TEMPERATURE TRANSMITTER	溫度信號傳送器	
TRH-302	HUMIDITY TRANSMITTER	濕度信號傳送器	
TRH-303	HUMI / TEMP TRANSMITTER	濕、溫度信號傳送器	
SHAPE(外型) (Mounting)	W	Wall mount Type	壁掛型
	D	Duct mount Type	管路型
	S	Separated Type	分離型

Example: TRH-303W/Humidity and Temperature transmitter, wall mount type.

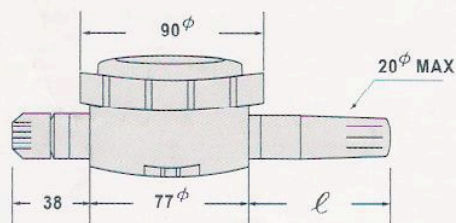
ON-SITE CALIBRATION & WIRING 調整及結線



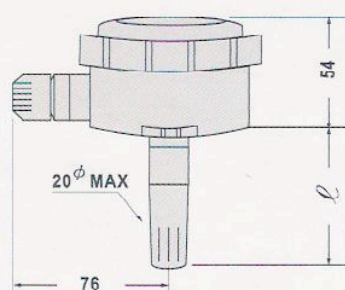
- VR 2 ZERO Humidity
- VR 1 SPAN Humidity
- VR 3 ZERO Temperature
- VR 4 SPAN Temperature
- CN 1 Sensor input
- CN 2 output Humidity
- CN 3 output Temperature

EXTERNAL DIMENSIONS 外型尺寸(mm)

WALL MOUNT TYPE (壁掛型)

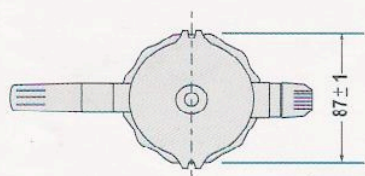


DUCT MOUNT TYPE (管路型)



MOUNTING (固定圖示)

Used by 3-4mm or 1/8" screw for mounting



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