

☐ CE ☐ IP65 ☐ RoHS

- *Fast, stable and accuracy
- *The round hand bolt is tight, without screws and buckles IP65 watertight and dust-proof enclosure
- *Easy for installation
- *With TFT LCD, check and adjust the data immediately 12 ~ 36Vdc power in
- *Analog and RS-485 digit output
- *Zero and Span adjustable
- *The data range can be adjusted by the computer software

TRH-600 series adopts lamina-type polymer capacitive humidity sensor and platinum (PT100Ω) temperature sensor, which can measure temperature and relative humidity accurately.

After multiple calculations by high-end processing unit, it can provide long-term stable signal output. Excellent structural design is in line with IP65, even moisture, dust, Dirt, grease and common chemicals are not easy to invade the circuit to ensure a longer life. At aspects of installation, disassembly, wiring and adjustment, it's more convenient and speedy than other brands.

Specifications of TRH-600

Measurement Range	Factory Temperature : 0~100°C (Standard max. temperature) (0~50°C, -40~60°C or -20~80°C can be customized) Factory Humidity : 0~100%RH (non-condensing) Factory dew point : -40~60°C *TRH-602/603 can only be used in -40~+85°C TRH-601 can be used in -40~600°C (with customized probes)
Accuracy (at 23±5°C)	±0.3°C , ±2%RH (33~75%) , ±3%RH (15~33%、75~90%)
Long-term stability	In 50% environment, <1%RH per year (Typical)
Sensors	Humidity : Thin-film capacitor Temperature : RTD Pt100Ω DIN, IEC 751
Probe Protection	Black Nylon cover
Filter Element	50um polyethylene PE sintered white filter element
Response	<15 seconds
Wind Speed	20m/s, with filter element
Display	TFT LCD with Backlight (optional)
Power Supply	12~36VDC , >150mA
Analog Output User Defined	Can be customized through the buttons on the PCB main board button or the computer software
Analog Output	4~20mA; 0~5V, 0~10V can be switched. Precision (±0.02mA, 0.02V)
Digital Output	RS-485 Modbus (Baud can be customized 4800~230400)
Software Interface	USB to Type C
Cable gland	Liquid-tight nylon, cable bushing ø5-10mm
Ambient Temperature	-40~+80°C , 0~95%RH (non-condensing)
Housing / Protection	ABS plastic watertight enclosure (IP65)
Dimension / Weight	Dimension : ø114×47mm (the base has a fixing hole, no need for a fixer) Fixed pitch : 100±1mm Weight : about 170g
Standard accessories	TRH-600, manual, warranty, packing box
Approvals	IP65, CE, RoHS

*Specifications are subject to change without notice.

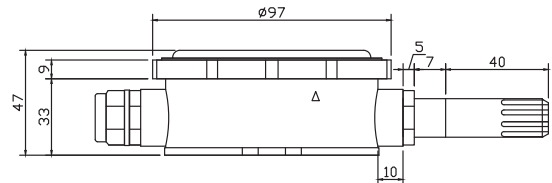
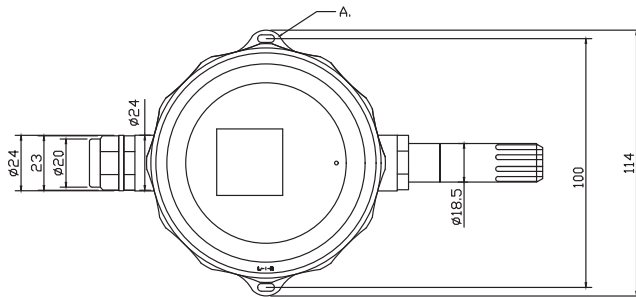
Temperature/Humidity/Dew Point Transmitter

TRH-600 series

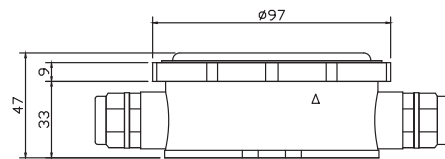
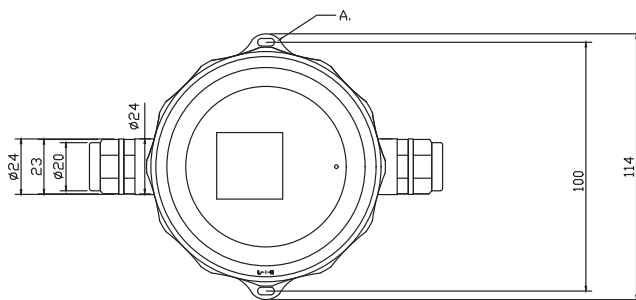
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■ External Dimensions (mm)

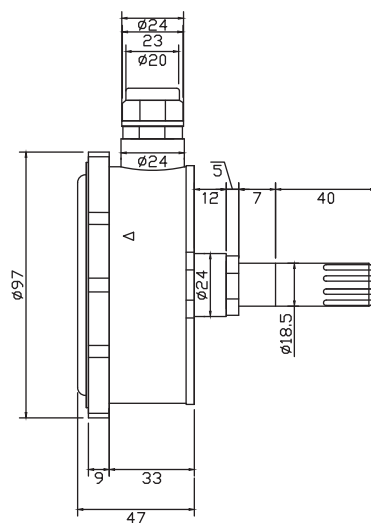
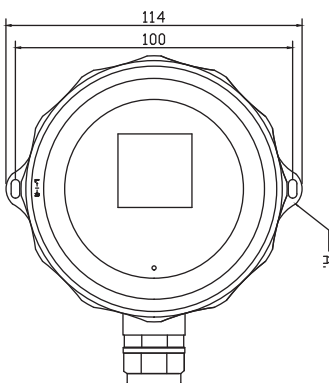
W Type



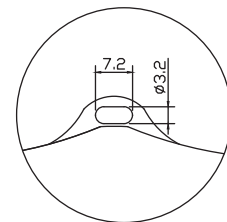
S Type



D Type



A.



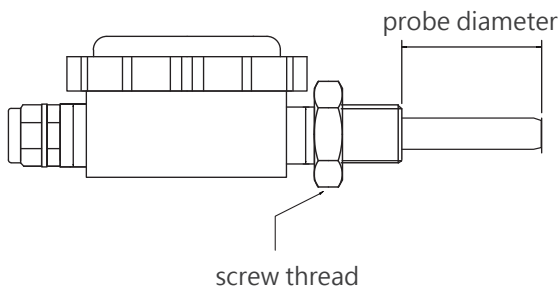
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Temperature/Humidity/Dew Point Transmitter

TRH-600 series

■ **Ordering Information** Please advise the specificatoin based on your individual needs.

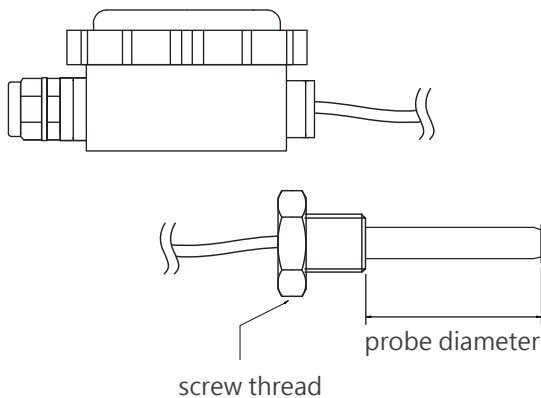
W Type



Model No.	Descriptions	
TRH-601	Temperature transmitter	
TRH-602	Humidity transmitter	
TRH-603	Temperature / Humidity / Dew Point Transmitter	
Shape (Mounting Type)	W	Wall mount type
	D	Duct mount type (probe length specifiable)
	S	Sensor separated type (cable length specifiable)
Display		D TFT Display
		N NON

【Example】 TRH-601W-D : Temperature Transmitter, Wall mount Type, TFT Display

S Type



W / S / D optional screw thread size

Screw thread size	Wall mount type	Duct mount type	Sensor separated type
1/4"PT	✓	✓	✓
1/2"PT	✓	✓	✓
M4	✗	✗	✓
M6	✗	✗	✓
M8	✗	✗	✓
M10	✗	✗	✓

*Other types can be customized

W / S / D optional probe diameter type

Probe diameter	Temperature	Humidity	Temperature / Humidity / Dew Point
Ø3.8	✓	✗	✗
Ø4.8	✓	✗	✗
Ø6	✓	✓	✓
Ø6.35	✓	✓	✓
Ø8	✓	✓	✓
Ø10	✓	✓	✓

*Other types can be customized

*Max. probe length is 1500mmL

D Type

