

Main Specifications

▼ Installation

Remote reading type

▼ Body dimension

80 x 80mm

▼ Electrical connector

M12-4 PIN metal connector /

M12-8 PIN metal connector /

M12 Cable gland /

M16 Cable gland

▼ Humidity range

0...100% RH

▼ Temperature range

-40...+200°C

▼ Dew point range

-40...+60°C

▼ Screen display

LCD display with backlight

2-line character display

One decimal place

Height of character: 5.56mm

▼ Probe

Material: Stainless steel

Pressure resistance: 10 bar

Outer diameter: Ø12mm

Length: 259.52mm

▼ Applicable media

Air

▼ Body operating temperature

0...+60°C

▼ Storage temperature

-25~+60°C

▼ Protection level

Body: IP65

Probe: IP20

▼ Optional accessory

USB to RS485 converter

Other Specifications

▼ Case

Aluminum alloy

▼ Filter

Sintered filter /

Stainless steel metal grid filter
with mesh /

PC membrane filter +
metal mesh

▼ Cable

Material: TEFLON

Length: 2m (std.), 10m (max.)

▼ Measuring elements

Capacitive humidity sensor
and Pt 100 Class A

▼ Psychrometric quantities unit

Frost point (F)

Wet blub temperature (W)

Vapor pressure (E)

Mixture ratio (R)

Absolute humidity (V)

Specific Enthalpy (S)

▼ Signal output

RS485 (standard) +

two analog outputs:

0-20mA / 4-20mA

0~1V / 5V /10V

▼ Humidity accuracy

±1.5%RH (0...90%RH)

±2%RH (0...100%RH)

▼ Temperature accuracy

±0.15°C

▼ Response time (@25°C)

< 30S

▼ Power supply

8...35VDC

12...30VAC

▼ Power consumption

DC24V: 60mA / DC12V: 120mA

AC24V: 140mA / AC12V: 230mA

▼ Load resistance

Current output max. 500Ω

Voltage output min. 10KΩ

▼ Other requests (Option)

Third party notarized
documents

Inspection report

Tag

USB to RS485 converter

Industrial Humidity and Temperature Transmitter

Model: THT-806

Introduction

THT-806 humidity and temperature transmitter with stainless steel probe and TEFLON cable can measure -40~+200°C temperature range and 0~100% relative humidity. THT-806 transmitter is suitable for monitor high-end HVAC process, air, conditioning and environment air ventilation control.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

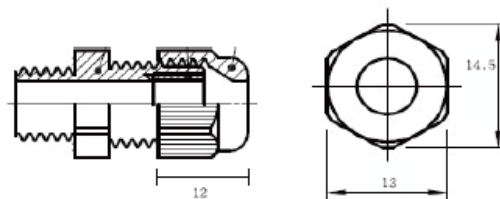
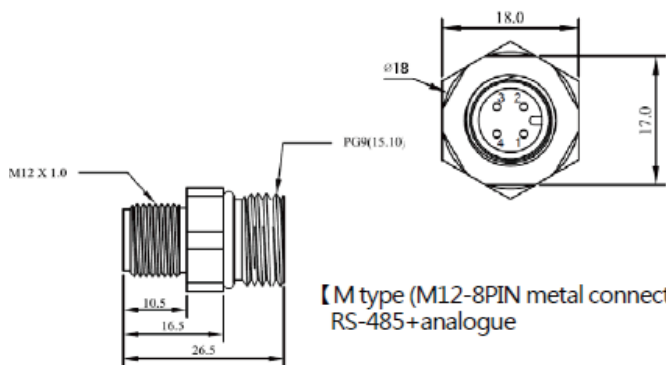
Features

- Temperature measurement range -40~+200°C
- Rugged and compact case
- High accuracy and long-term stability
- Full temperature compensation and linear adjustment
- Various psychrometric quantities unit available
- RS485+2 analog output
- Stainless steel probe with TEFLON cable
- Free programmable software

Electrical connector

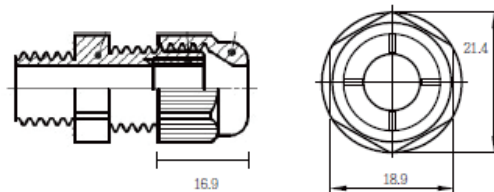
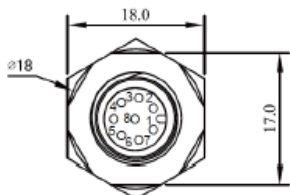
【 M type (M12-4PIN metal connector) RS-485 or analogue

【 N type (M12 cable gland) RS-485 or analogue



【 M type (M12-8PIN metal connector) RS-485+analogue

【 N type (M16 cable gland) RS-485+analogue



How to order

THT-806		Industrial Humidity and Temperature Transmitter						
Code		Physical quantity output (select two quantity outputs)						
H&T		Humidity (H), Temperature (T), Dew point (D), Frost point (F), Wet-blub (W), Vapor pressure (E), Mixture ratio (R), Absolute humidity (V), Specific enthalpy (S)						
Code		Temperature range						
Custom		-40...+200°C						
Code		Signal output (select two signal outputs)						
1&9		4-20mA (1), 0-20mA (2), 0-10V (6), 0-5V (7), 0-1V (8), RS-485 (9)						
Code		Display						
D		Yes						
X		No						
Code		Electric connector						
N1		M12-4 PIN metal connector						
N2		M12-8 PIN metal connector						
M1		M12 Cable gland						
M2		M16 Cable gland						
Code		Filter						
S		Sintered filter						
M		Stainless steel metal grid filter with mesh						
G		PC membrane filter + metal mesh						
Code		Remote cable length						
2m		2m						
O		Others (max.10m)						
THT-806	H&T	0...200°C	1&9	D	M2	M	2m	Order example: THT-806-H&T-0...200°C-1&9+D-M2-M-2m