

TRTH Series

Humidity and Temperature Sensor

Ref : 2436

Rev : A



DESCRIPTION

The TRTH is a robust, waterproof, easy to use and easy to implement 2 inputs / 2 outputs sensor measuring both temperature and relative humidity. The transmitter can provide 0 – 10V or 4-20 mA signals and offer an optional MODBUS connection.

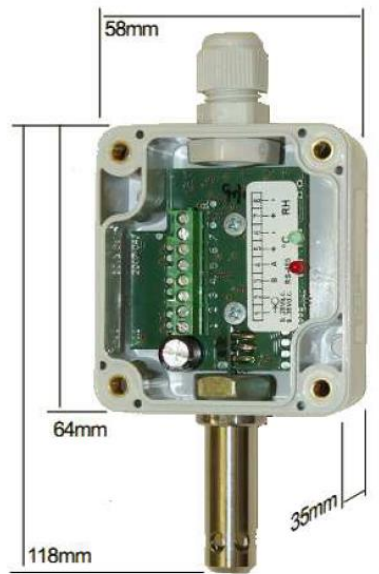
MEASURING RANGES

Temperature: -30°C to +85°C
 Humidity: 0% to 100% RH without condensation

TECHNICAL CHARACTERISTICS

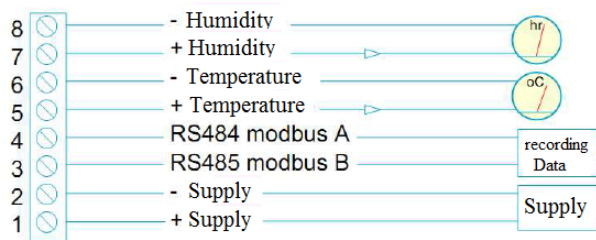
Humidity Basic Error	± 2% for RH 10 – 90% ± 3% for remaining range
Hysteresis	± 1%
Additional Error	Temperature effect ± 25% of basic error / 10°C
Temperature Conversion Accuracy	± 0.5% of the range
Input Supply Voltage	9 – 36 Vdc
Consumption	< 2 VA
Analog Output Current	4 – 20 mA
Voltage	0 – 10 V
Output Impedance	200 Ω max
Digital Output Transmission Protocol	MODBUS
Baud Rate	4800, 9600, 19.2K, 38.4K, 57.6 Kbaud
Format	RTU 8N2, 8E1, 8O1, 8N1
Response Time	300 ms
Environmental Operating Temperatures	-30°C to +85°C
Warm-up	15 minutes
Physical Index of Protection	IP65
Weight	125 g

DIMENSIONS

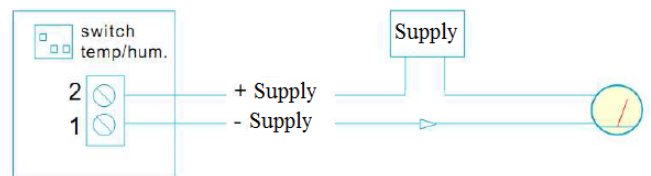


WIRING

TRTH HUTP



TRTH HTB



ORDERING INFORMATION

TRTH HUTP 010	Complete unit: temperature and humidity 2 x 4 – 20 mA + MODBUS
TRTH HUTP 420	Complete unit: temperature and humidity 2 x 0 – 10 V + MODBUS
TRTH HTB 420	Basic unit: temperature or humidity 1 x 4 – 20 mA

CONTACT

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