

MD-HT101 SERIES DIGITAL TEMPERATURE AND HUMIDITY SENSOR

TECHNICAL CHARACTERISTICS:

- ✓ 68x50mm large screen LCD display
- ✓ Anti-interference design, isolated output
- ✓ 4~20mA/RS485 output optional
- ✓ Supports independent selection of range and key parameter configuration
- ✓ Support 9~28V wide power supply



MD-HT101 series digital temperature and humidity sensors adopt imported temperature and humidity sensors as sensitive components, which can quickly respond to changes in temperature and humidity.

This product adopts 3.5-inch LCD screen display and is equipped with a mounting bracket for easy wall-mounted installation.

This series of products include 4~20mA current (HT101A), RS485 (HT101R) two output options, the product supports °C °F unit switch / display digits / range configuration, MD-HT101R supports button configuration unit switch / communication address / baud Rate/filtering constant, etc. This series of products have high accuracy, fast response and long life, especially suitable for indoor occasions where high-precision measurement of temperature and humidity is required.

APPLICATION:

- ◇ Pump room ◇ Computer room ◇ Workshop ◇ Exhibition hall
- ◇ Other occasions where temperature and humidity need to be monitored

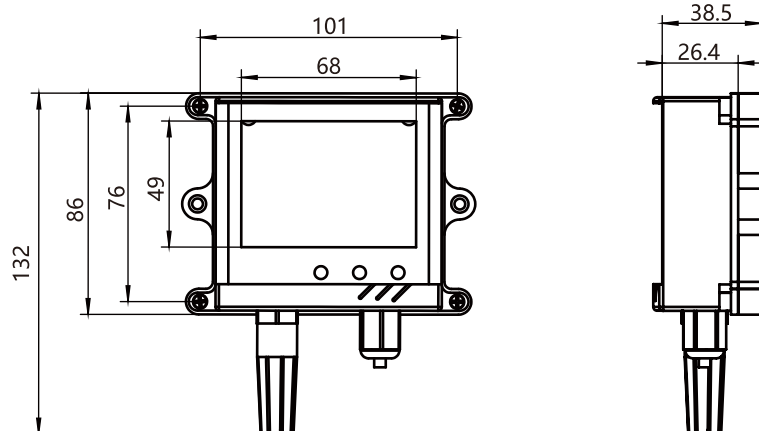
SPECIFICATION:

Model	MD-HT101A	MD-HT101R
Output	4~20mA	RS485
Protocol	---	Modbus RTU
Communication rate	---	2400/4800/9600/19200/38400/57600bps Can be set
Power supply	9~28VDC(Typical 24VDC)	
Measuring range (humidity)	0~100%RH	
Measuring range (temperature)	-20~+80°C	
Humidity Acc	± 3%RH(10~90%RH)	
Temperature Acc	± 0.3°C	
Sampling rate	0.5time/sec	
Resolution	Temperature: 0.1°C Humidity: 0.1%RH	
Installation method	Wall-mounted	
Response time	Temperature: 5s Humidity: 5s	
Probe	Dust filter settings	
Installation of probe	Integrated	
Product function	Unit switch (°C °F)	

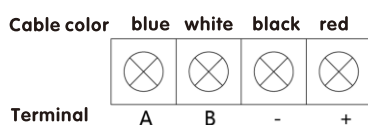


DIMENSION:

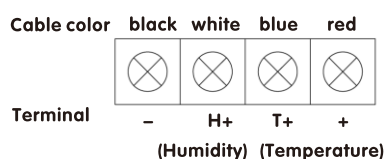
UNIT:mm



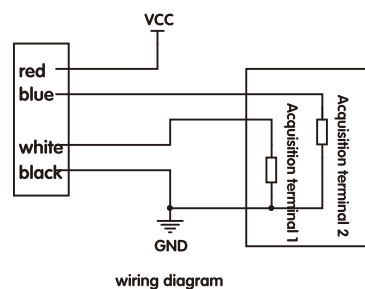
OUTLINE DEFINITION:



■ RS 485 output



■ 4-20mA output



SELECTION GUIDE:

MD — HT101 — A — 1 — F1 — P2 — L1 — L

Model:

MD-HT101A
MD-HT101R

Output:

A(4-20mA)
R(RS485)

Accuracy:

1(Temperature: $\pm 0.3^{\circ}\text{C}$
Humidity: $\pm 3\%\text{RH}$)

Range:

F1(-20~100) $^{\circ}\text{C}$ (0~100%)RH *1

Remark:

*1. Support user self-configurable range 1:(-20~100 $^{\circ}\text{C}$); 2:(0~40 $^{\circ}\text{C}$); 3:(0~60 $^{\circ}\text{C}$); 4:(0~80 $^{\circ}\text{C}$); 5:(0~100 $^{\circ}\text{C}$)
After the range is selected, the 4-20mA output will change with the range. *Only MD-HT101A

Additional:

L (display type)

Probe type:

L0 (integrated probe)
L1 (split probe 1 meter)

Power supply:

P2(24V)

