The SRH600 series transmitter is an ideal instrument for measuring the relative humidity and temperature of air. The environmental protection design is considered for the probe and circuit at the complex physical and electrical environment of the engineering site, to ensure the high output accuracy. Its two-layer filtering structure ensures the long-term stability of the core sensitive components, fully taking into account the complexity of the on-site environment. The product has enhanced EMC anti-interference capability in design.
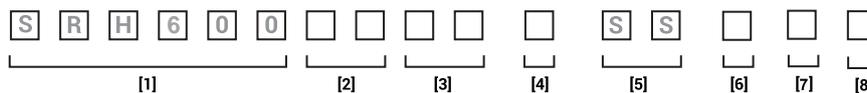
Easy to configure and set

The SRH600 transmitter provides two 4-20mA or 0-10VDC linear outputs, corresponding to current temperature and relative humidity respectively, and supports the digital outputs. It is available in two types: wall installation and pipeline installation. Each transmitter is equipped with installation accessories before delivery from the factory.

The parameters of SRH600 can be adjusted by the manipulator on site or LCD display.

Model SRH600

High-precision Temperature and Humidity Transmitter

Characteristics

• Pt100 or Pt1000 temperature-sensitive element optional
• Temperature accuracy 0.2°C
• Relative humidity accuracy 2%RH
• Good dust-proof performance
• Strong immunity from interference
• Modbus RTU digital output
• CE certificated

Applications

• Operating Room
• Negative Pressure Isolation Room
• Pharmaceutical Laboratory
• Industrial Manufacturing
• Pharmacy Intravenous Admixture Services (PIVAS)
• Data Center
• Semiconductor Facility

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Ordering Guide

Ordering example: SRH60011T1DSSHNP represents the SRH600 temperature and humidity transmitter with the temperature range of -30~60°C, 4~20mA output and air duct installation method

S	R	H	6	0	0	☐	☐	☐	☐	☐	S	S	☐	☐	☐
	[1]						[2]		[3]		[4]		[5]		[6]	[7]	[8]

[1]		[2]			[3]			[4]			[5]			[6]			[7]			[8]	

[1]
Model
SRH500

[2]	
Output	
11[1]	4 ~ 20 mA
2E	0 ~ 10 V
2S[2]	RS485

[3]	
Temperature range	
T1	-30 ~ 60 °C
T2	-20 ~ 60 °C
T3	-10 ~ 50 °C
T4	-40 ~ 60 °C

[4]	
Installation method	
W	Wall mounting type
B	Outgoing line at the back for the wall mounting type
D	Air duct type
O	Outdoor type

[5]	
Sensor protection	
SS	Stainless steel sintered filter

[6]	
Temperature-sensitive element	
H	Pt100
K	Pt1000

[7]	
Display	
N	None
D	Chinese
E	English

[8]	
Temperature Accuracy and Certificate	
P	0.2°C/2%RH, without calibration certificate
Z	0.2°C/2%RH, with calibration certificate

1. Dual current outputs for relative humidity and temperature
2. Default configurations: baud rate 38400, without parity check; stop bit 1, metric unit

Specifications

Performance parameters

Accuracy (20°C)

Humidity:	±2% RH
Temperature:	±0.2°C

Measuring range

Humidity:	0~100% RH
Temperature:	Refer to ordering information
Humidity sensitive element	Polymer capacitor
Temperature sensitive element	Pt100/Pt1000 (DIN60751)
Housing	UL94 V-0 Flame retardant plastic
Protection grade	IP65
Filter screen	Stainless steel sintered filter screen with a diameter of 40 microns; a special filter screen can be customized by contacting the manufacturer
Optional accessory	Manipulator

The specifications are subject to change without prior notice.

Electrical Parameters

Power supply requirement:	22·26 VDC
Max. current:	60mA(65mA with display)
EMC standard:	EN61326-1 EN61326-2-3
Temperature/humidity dual-signal output	4-20mA (4-wire) load R<500 ohms 0-10VDC load R>10K ohms Digital output MODbus RTU RS485

Certification and Regulations

Certifications	CE, ROHS

Dimensions

Left view

Main view

Top view