Model SRHM
Temperature and Humidity Transmitters

Features

- Stainless steel dust-free panel with flush-mounted installation
- Digital remote temperature and humidity probe
- High accuracy and excellent long-term stability
- Optional Modbus RTU digital output
- Supports single-point or two-point on-site calibration
- CE certified

Applications

- Pharmaceutical clean rooms
- Operating rooms
- Isolation wards
- Laboratories
- Animal facilities

Setra's Model SRHM is specifically designed for temperature and humidity measurement in clean rooms. It features high measurement accuracy and excellent long-term stability. The relative humidity accuracy is ±2% RH, and the temperature accuracy is ±0.2°C. The transmitter provides two 4-20 mA analog outputs, one for temperature and the other for relative humidity, and also supports Modbus RTU digital output.

The accompanying digital remote temperature and humidity probe supports both ceiling and duct installations. The stainlesssteel dust-free panel design makes it suitable for temperature and humidity measurement applications in pharmaceutical clean rooms, hospital operating rooms, and isolation wards.

Easy Installation

The Model SRHM features a modular installation design. The front panel is securely attached to the base box with a snap-fit mechanism. The base box has a depth of 19 mm, and all wiringis completed within the base box, facilitating on-site installation,construction, and subsequent calibration and disassembly.

Calibration

The Model SRHM can be easily calibrated on-site. The firmware includes a built-in calibration menu that can be accessed via buttons.

It supports calibration of analog outputs and single-point or two-point calibration of the probe, eliminating the need for additionalhand-held devices.

Ordering Information

S	R	H	M								N	A
	[1]				[2]		[3]		[4]			[5]

[1]	[2]	[3]	[4]	[5]

[1] Model

SRHM	Room temperature and humidity monitor

[2] Output

11	4~20mA
M3	Modbus

[3] Temperature Output Range

T2	-20~60℃
T3	-10~50℃
T4	-40~60℃
NN	Modbus Output

[4] Humidity Output Range

H1	0~100%RH
NN	Modbus Output

[5] Pressure Output Range

NA	None

S	R	H	P	H	T	M	3	T	4			
	[1]				[2]		[3]		[4]	[5]		[6]

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

[1] Model

SRHP	Remote probe for room temperature and humidity monitor

[2] Probe type

HT	温湿度探头

[3] Output

M3	Modbus

[4] Temperature range

T4	-40~60℃

[5] Fliter

PG	PE Fliter
MG	Metal Mesh
SS	Stainless Steel Sintered Filter
HP	H2O2 Fliter

[6] Cable length

T	3M
F	5M
X	10M

Specifications

Performance data
(Remote temperature and humidity probe)

Temperature sensor	Platinum resistance (Class AA)	
Humidity sensor	Capacitive humidity sensor	
Accuracy (℃)	Temperature	±0.2 ℃
	Humidity	±2% RH
Stability	Temperature	±0.1 ℃
	Humidity	±0.5% RH
Measurement range	Temperature	-40 to 60 ℃
	Humidity	0% to 100% RH

Environmental Parameters (Panel)

Operating Temperature	-6 to 60 ° C
Operating Humidity	5% to 95% RH

Electrical data (Panel)

Excitation	22 to 26 VDC
Output	4 to 20 mA / Modbus RTU

Physical description

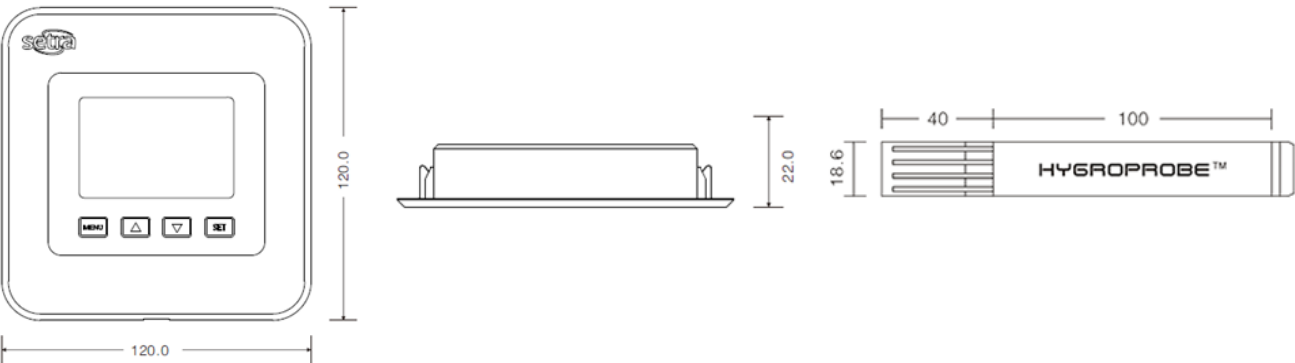| Front panel material	316 Stainless steel
Panel dimensions	120 * 120 * 22 mm
Probe dimensions	Φ18.6 * 140 mm
Probe cable length	See order information
Front panel protection class	IP65 (after installation)

Approvals

CE

Dimensions

Unit:mm