

SEM287 Temperature and Humidity Big Screen Sensor
OVERVIEW

SEM287 adopts the sensor imported from Switzerland, with high measurement accuracy, stable and reliable performance; large size bright digital tube can still be clearly displayed under strong light; the frame is made of high hard aluminum alloy, waterproof and dustproof, firm and reliable; it adopts special analog output circuit, standard industrial interface, and wide application range.

SPECIFICATION

Items	Parameter
DC power supply (default)	DC 10~30V
Maximum power consumption of current output	0.62W
Maximum power consumption of voltage output	0.62W
Humidity accuracy (default)	±3%RH(5%RH~95%RH,25°C)
Temperature accuracy (default)	±0.5°C (25°C)
Working temperature of transmitter circuit	-40°C~+60°C, 0%RH~80%RH
Probe operating temperature	-40°C~+120°C, Default -40°C~+80°C
Probe working humidity	0%RH-100%RH
Long term stability of humidity	≤1%RH/y
Long term stability of temperature	≤0.1°C/y
Humidity response time	≤ 8s (1m / s wind speed)
Temperature response time	≤ 25s (1m / s wind speed)
Output signal	4~20mA/0~5V/0~10V
Load capacity	Output resistance ≤250Ω
	≥600Ω

DIMENSION


Built in hardcover probe

General environment uses built-in probe



External hardcover probe

For (high temperature / low temperature / high humidity), it is recommended to use epitaxial probe to put the probe into special environment



ORDER CODE

Code:	A	-	B	-	C
SEM	287	-	S4	-	I

Model	Code A
Temperature and humidity transmitter	287
Signal output	Code B
4~20mA current output	S4
0~5V voltage output	S5
0~10V voltage output	S1

Power supply	Code C
Built in hardcover probe	I
Epitaxial hardcover probe	E

Order Example:

SEM287-S4-I

Temperature and humidity transmitter

4~20mA current output

Built in hardcover probe