

SEM256 Digital display type RS485 analog quantity temperature and humidity transmitter

MAIN FEATURES

- This product uses a particle sintered probe sheath, and the probe is directly connected to the housing to look beautiful;
- The output signal type is divided into RS485 and analog type, 10~30V wide voltage range power supply, complete specifications and convenient installation;
- The circuit adopts imported industrial grade microprocessor chips and imported high-precision temperature sensors to ensure excellent reliability, high precision and interchangeability.



OVERVIEW

The digital display type 485 analog temperature and humidity transmitter is a wall-mounted high-protection shell with protection grade IP65, rain and snow. The high-brightness digital tube is used to display the temperature and humidity, and it can be clearly seen under the sunlight.

SPECIFICATION (RS485)

Items	Parameter	
DC power supply (default)	10~30V DC	
Maximum power consumption	RS485 output	0.4W
Precision A	humidity	±2% RH (5% RH~95% RH, 25°C)
	temperature	±0.4°C (25°C)
Precision B (default)	humidity	±3% RH (5% RH~95% RH, 25°C)
	temperature	±0.5°C (25°C)
Long-term stability	humidity	≤1%RH/y
	temperature	≤0.1°C/y
Response time	humidity	≤8s (1m/s wind speed)
	temperature	≤25s (1m/s wind speed)
Transmitter circuit operating temperature and humidity	-40°C~+60°C, 0%RH~80%RH	
Signal output	RS485 output (standard Modbus-RTU protocol)	
Device communication parameters	The default address code is 1, the default baud rate is 4800 (can be modified by the configuration software)	
Protocol frame format	No parity, 8 data bits, 1 stop bit (N, 8, 1)	
Temperature range	-40°C~+80°C	
Humidity range	0%RH-100%RH	

SPECIFICATION (ANALOG)

Items	Parameter	
DC power supply (default)	10~30V DC	
Maximum power consumption	Current type	1.2W
	Voltage type	1.2W
Precision (default)	humidity	±3% RH (5% RH~95% RH, 25°C)
	temperature	±0.5°C (25°C)
Long-term stability	humidity	≤1%RH/y
	temperature	≤0.1°C/y
Response time	humidity	≤8s (1m/s wind speed)
	temperature	≤25s (1m/s wind speed)
Output signal	Current output	4~20mA
	Voltage output	0~5V/0~10V
Load capacity	Current output	Output resistance ≤250Ω
	Voltage output	≤600Ω
Transmitter circuit operating temperature and humidity	-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	

ORDER CODE

Code:	A	-	B	-	C
SEM	256	-	R	-	FL

Model	Code A
Temperature and humidity transmitter Wall-mounted digital tube king shell	256
Signal output	Code B
RS485 (Modbus protocol)	R
4-20mA type	S4
0-5V type	S5
0-10V type	S1

Installation	Code C
Flange mounting	FL
Quadruple thread mounting	LW

Order Example:

SEM256-R-L

 Temperature and humidity transmitter wall-mounted digital tube king shell
 RS485 (Modbus-RTU protocol)
 Flange mounting