

## SEM240 Flat card rail shell 485 type temperature and humidity transmitter

### MAIN FEATURES

- 10-30V DC wide voltage power supply;
- 485 communication interface, standard ModBus-RTU communication protocol, communication address and baud rate can be set;
- It can work in the range of -40-60 °C, with pluggable terminals, easy to install and maintain;
- The communication address and baud rate can be set, and the communication distance is up to 2000 meters.



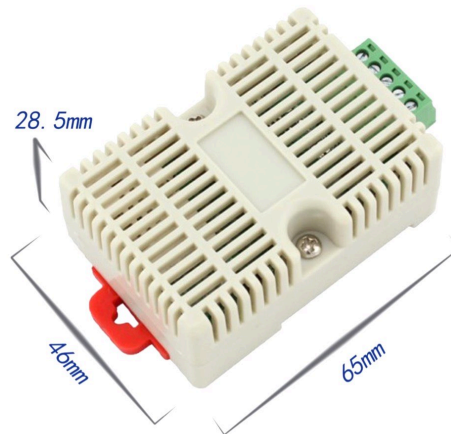
### OVERVIEW

Compact size with standard DIN35 rail mounting card for direct rail mounting. Widely used in power distribution cabinet installation, wall mounting, 485 communication interface standard ModBus-RTU communication protocol.

### SPECIFICATION

Items	Parameter	
DC power supply (default)	10~30V DC	
Maximum power consumption	0.3W	
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	≤4s (1m/s wind speed)
	temperature	≤15s (1m/s wind speed)
Transmitter circuit operating temperature and humidity	-40°C~+60°C, 0%RH~80%RH	
Communication protocol	Modbus-RTU communication protocol (default address code 1, baud rate 4800, N, 8, 1)	
Signal output	RS485 output	
Temperature display resolution	0.1 °C	
Humidity display resolution	0.1% RH	
Temperature and humidity refresh time	1S	
Parameter settings	Set by software	

**DIMENSION**



**ORDER CODE**

<b>Code:</b>	A	-	B	-	C
<b>SEM</b>	240	-	R	-	8

Model	Code A
Temperature and humidity transmitter	240
Signal output	Code B
RS485 (Modbus protocol)	R

Outline type	Code C
Flat card track	8

**Order Example:**

SEM240-R-8  
 Temperature and humidity transmitter  
 RS485 (Modbus-RTU protocol)  
 Flat card track