

SEM250 Long pipe temperature and humidity transmitter

MAIN FEATURES

- 485 communication interface, standard ModBus-RTU protocol, communication address, baud rate can be set, communication line can be up to 2000 meters;
- Temperature accuracy $\pm 0.5\text{ }^{\circ}\text{C}$, humidity accuracy $\pm 3\%$ RH, high precision, low drift;
- The use of dedicated EMC anti-interference devices, the site can withstand strong electromagnetic interference, industrial-grade processing chips, a wide range of use;
- 10 ~ 30V wide voltage range power supply, long-distance centralized power supply can still work normally.



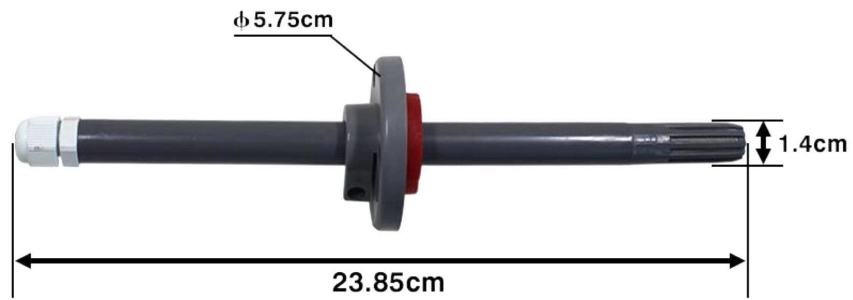
OVERVIEW

Professionally applied to pipeline temperature and humidity measurement. The imported temperature and humidity measuring unit has small drift and high precision. It can be used in wet and high dust occasions and durable.

SPECIFICATION

Items	Parameter	
DC power supply (default)	10~30V DC	
Maximum power consumption	0.048W	
Precision A	humidity	$\pm 2\%$ RH (5% RH~95% RH, 25°C)
	temperature	$\pm 0.4^{\circ}\text{C}$ (25°C)
Precision B (default)	humidity	$\pm 3\%$ RH (5% RH~95% RH, 25°C)
	temperature	$\pm 0.5^{\circ}\text{C}$ (25°C)
Long-term stability	humidity	$\leq 1\%$ RH/y
	temperature	$\leq 0.1^{\circ}\text{C}/\text{y}$
Response time	humidity	$\leq 4\text{s}$ (1m/s wind speed)
	temperature	$\leq 15\text{s}$ (1m/s wind speed)
Transmitter circuit operating temperature and humidity	-40°C~+60°C, 0%RH~80%RH	
Communication protocol	Modbus-RTU communication protocol	
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

Code:	A	-	B	-	C
SEM	250	-	R	-	L

Model	Code A
Temperature and humidity transmitter	250
Signal output	Code B
RS485 (Modbus protocol)	R

Outline type	Code C
Long pole pipe shell	L

Order Example:

SEM250-R-L

Temperature and humidity transmitter

RS485 (Modbus-RTU protocol)

Long pole pipe shell