

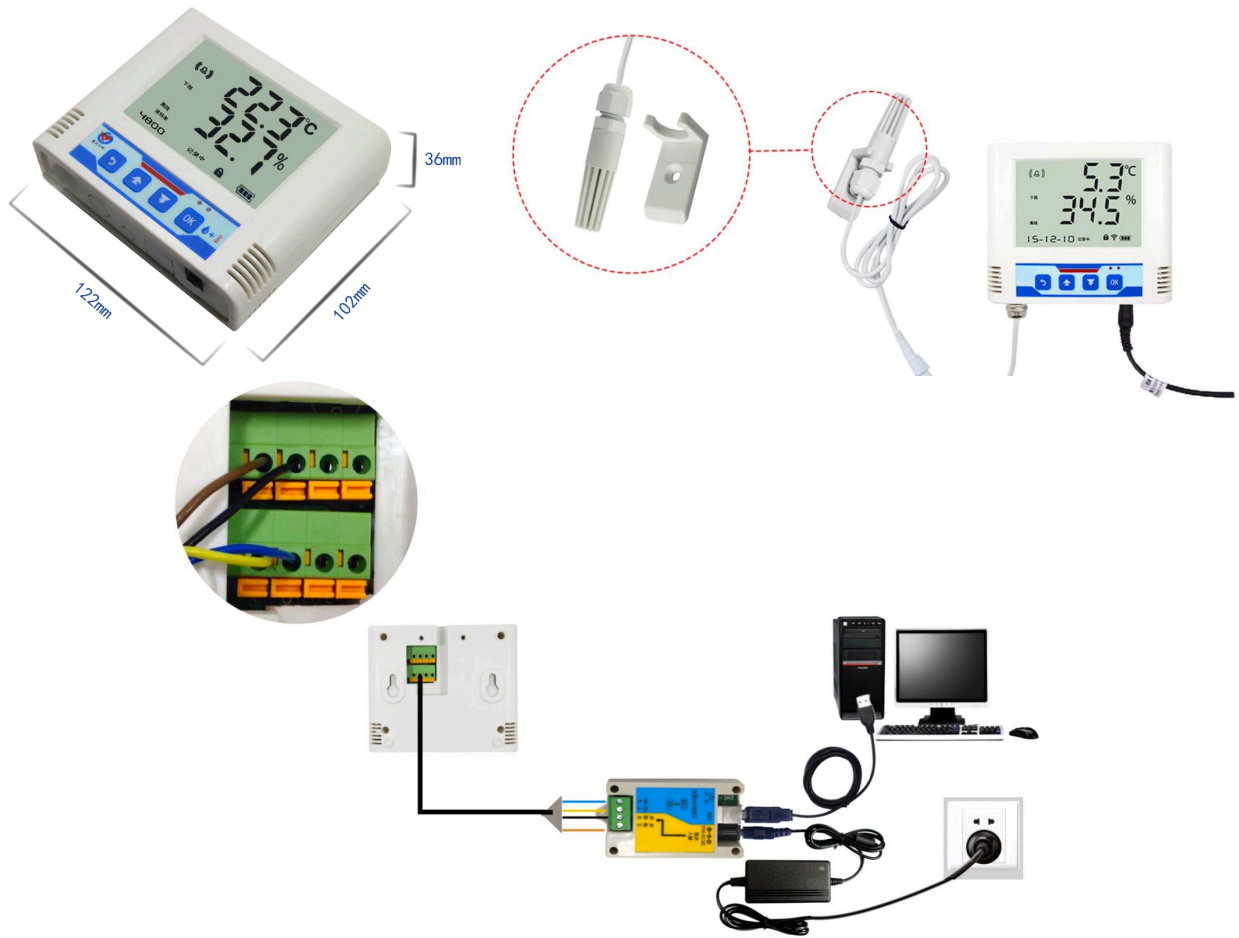
SEM234 Large LCD 485 temperature and humidity transmission recorder
MAIN FEATURES

- Built-in memory, real-time recording of temperature and humidity data, up to 65,535 groups can be recorded;
- It has 2 channels of switch signal output, which can be associated with alarm events.
- Set various alarm parameters, communication parameters, time and date, etc. through the LCD button;
- Built-in temperature and humidity alarm function, which can set the upper and lower limits of the temperature and humidity alarm and the hysteresis setting;
- 10~30V wide power supply voltage input, RS485 signal output, multiple recording modes, the longest communication distance can reach 2000 meters.


SPECIFICATION

Items	Parameter	
DC power supply (default)	10~30V DC	
Maximum power consumption	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	≤4s (1m/s wind speed)
	temperature	≤15s (1m/s wind speed)
Probe operating temperature	-40°C~+120°C, default -40°C~+80°C	
Probe working humidity	0%RH-100%RH	
Temperature display resolution	0.1 ° C	
Humidity display resolution	0.1% RH	
Temperature and humidity refresh time	1S	
Transmitter circuit operating temperature and humidity	-20°C~+60°C, 0%RH~80%RH	
Signal output	RS485 (Modbus-RTU protocol, default address code 1, baud rate 4800, N, 8, 1)	
Time and date	Built-in clock, real-time display	
Alarm function	Built-in buzzer, external sound and light alarm, relay optional	
Recording interval (minutes)	Adjustable interval, default 30 minutes	
Record points	65535, if recorded by default 30 minutes, can be stored for 4 years	
Record mode	Off / on / automatic	
Storage mode	Automatic loop storage	
Installation method	Wall-mounted	

OUTLINE CONSTRUCTION



ORDER CODE

Code:	A	-	B	-	C	-	D
SEM	234	-	R	-	AE	-	5

Model	Code A
Temperature and humidity transmitter	234
Signal output	Code B
RS485 (Modbus-RTU protocol)	R
Construction	Code C
Compact large LCD case external power supply	C
Advanced version of large LCD shell external power supply	AE
Advanced version of large LCD case with built-in battery	AB

Probe	Code D
Built-in probe (external power supply)	0
Built-in probe (built-in battery)	4
External hardcover probe	5
External waterproof probe	6
External metal waterproof probe	9
External quadruple thread probe	A
External wide temperature probe	B