## SEM230A USB temperature and humidity recorder

### MAIN FEATURES

- Adopt large-capacity rechargeable lithium battery, which can be used continuously for one year on a single charge;
- Built-in storage function, can record 80,000 pieces of temperature and humidity data, the high configuration version can record 260,000 pieces of temperature and humidity data, if more storage capacity is needed, it can also be customized;
- Built-in buzzer, with over-limit alarm function, can automatically change the recording frequency when alarming, to ensure that the recorded data truly reflects environmental changes;
- It can be set to start recording and stop recording regularly. When multiple recorders are used, ensure that the equipment starts recording at the same time and stops at the same time;
- Connect to a computer through a USB cable and use our company's supporting software to export the data stored in the device to the computer in EXCEL, TXT, PDF and other formats to facilitate subsequent report production and data analysis.

### OVERVIEW

USB temperature and humidity recorder equipment power supply DC5V power supply or built-in battery power supply buffer capacity up to 260,000 sets of measurement range temperature probe built-in type -20~+60°C external probe type -40~+80°C humidity 0~100%RH measurement accuracy temperature general accuracy : 0.3°C (25°C).

### SPECIFICATION

| Power supply | DC5V power supply or built-in battery power supply | |
|---|---|---|
| Transmitter circuit working temperature and humidity | - 20°C～+60°C, 0%RH～95%RH non-condensing | |
| Recording capacity | 260,000 groups | |
| Recording interval | 5 seconds to 18 hours can be set | |
| Measurement update time | 2~255 seconds can be set | |
| Battery life | One full charge, the device can work continuously for one year<br>The maximum number of battery charge and discharge cycles is 1200 times | |
| Measuring range | temperature | -20~+60°C (internal probe) |
| | | -40~+80°C(external probe) |
| | humidity | 0~100%RH |
| Accuracy | temperature | ±0.3°C  (25°C) |
| | humidity | ±2%RH(60%RH,25°C) |

### DIMENSION

26.7mm

73mm

53mm

## PROBE TYPES

| Hardcover probe | Waterproof probe | Highly sensitive probe | High temperature probe | Metal probe | Quadruple thread probe |
|---|---|---|---|---|---|
| | | | | | |
| Suitable for a variety of occasions, responsive, waterproof and dustproof | Suitable for high dust applications, probe waterproof | Suitable for a variety of occasions, responsive, waterproof and dustproof | Suitable for applications where the measurement temperature is higher than 80 ° C | Suitable for high dust requirements where high sensitivity is required | With quadruple thread |

## ORDER CODE

| Code: | A | – | B | – | C |
|---|---|---|---|---|---|
| SEM | 230A | – | 0 | – | 2 |

| Model | Code A |
|---|---|
| USB Temperature and humidity transmitter | 230A |
| **Signal output** | **Code B** |
| Without signal | 0 |

| Probe type | Code D |
|---|---|
| Built-in copper head | 1 |
| Built-in PE head | 2 |
| Built-in Siemens head | 3 |
| Built-in hardcover probe | 4 |
| External hardcover probe | 5 |
| External waterproof probe | 6 |
| External high sensitivity probe | 7 |
| External ordinary probe | 8 |
| External metal waterproof probe | 9 |
| External long metal probe (external quadruple thread probe) | A |
| External wide temperature probe | B |

**Order Example:**
SEM230A-0-2
Temperature and humidity transmitter wall-mounted king shell
RS485 (Modbus-RTU protocol)
Built-in PE head