Qingping Temp & RH Monitor Pro S Datasheet

Overview

Description

The QingPing Temp & RH Monitor Pro S is a professional-grade sensor that precisely monitors temperature and humidity in diverse environments, including extreme conditions. It is particularly suitable for greenhouse applications.

Features

1. Delivers **highly accurate temperature** and **humidity readings**:
   - Temperature: ±0.2°C (within 0°C to 50°C range)
   - Humidity: ±2% (within the 10% to 90% range)
2. **Supports LoRaWAN bands:** EU868 (default), EU433, RU864, CN470, KR920, IN865, AU915, US915, AS923-1/2/3/4
3. **Supports Bluetooth 5.0**
4. **Battery-operated:**
   - Type: Rechargeable lithium battery
   - Capacity: 2600 mAh
5. Power supply interface **(5 V - 1 A): USB-C**
6. **Remotely configurable uploading and notification settings:**
   - Data uploading interval

- Data recording interval
- Notification trigger

7. Easy to mount on a wall

8. LoRaWAN-based remote monitoring device that complies with **Class A** specification

9. Dimension: 77 x 77 x 28 mm

10. Screen size: 61 x 49 mm

Specifications

Overview

Parameter	Values
Dimension	77.2 × 77.2 × 27.8 mm
Screen Size	61.21 × 48.72 mm
Color	White
Weight	120 g

Mounting

- **Adhesive Hook:** For easy attachment to various surfaces.
- **Back Hole:** Provides an alternative mounting option.

Hardware

Electrical Characteristics

Power Option	Description
Battery-operated	2600 mAh rechargeable lithium battery
DC Power	5 V / 1 A by USB-C charging port

RF Characteristics

Operating Frequencies

Region	Frequency (MHz)
China	CN470
Russia	RU864
India	IN865
Europe	EU433
	EU868 (default)
North America	US915
Australia	AU915
Korea	KR920
Asia	AS923-1
	AS923-2
	AS923-3
	AS923-4

Environmental Characteristics

Temperature

Parameter	Values
Range	-20°C - 50°C
Accuracy	±0.2°C (within 0°C to 50°C range)
Resolution	0.1°C

Humidity

Parameter	Values
Range	0 to 99.9% RH（non-condensing）
Accuracy	±2% (within the 10% to 90% range)
Resolution	0.1%

Note: Prolonged use in environments with humidity exceeding 90% is not recommended.

Mechanical Dimensions

77.2 mm   27.8 mm