



The Vela Temperature and Humidity Sensor is a long-range, low-power, temperature, and humidity sensor supporting LoRaWAN wireless protocols. The sensor has highly accurate thermometer and hygrometer with standard and custom configurations supporting a variety of applications in the home and business. The sensor offers user-definable notifications, periodic sampling, and statistics reporting delivering optimal monitoring and data collection.

The sensor is easily deployed: place on shelves or hang on walls. Powered by two AAA non-rechargeable lithium batteries, the sensor provides more than two (2) years of operation in harsh environments both indoors and out.

Features

Three built-in operating configurations:

Continuous sampling – every 15 minutes

Rapid change detection – sampling every minute

Extreme long life – 10-minute monitoring for 5+ years battery life

Administrative notifications: low-battery, device reset

Create custom configurations:

Up to 6 threshold Event Triggers

Sampling and Reporting

Long range: typical 300 to 500 meters

Applications

Refrigerator/freezer failure early warning

Temperature / humidity controlled environments

Outdoor / Out-building temperature

Rapid temperature change notifications

Specifications

LoRaWAN v1.03 Class A device

U.S. 923 MHz, E.U. 868 MHz, China 470 MHz, and other frequencies available

Resolution 0.1 °F/°C, 0.1% humidity

Dimensions: [L x W x D]: 2.44 x 2.44 x 0.87 inches (62 x 62 x 22 mm)

Environmental: -22°F – 158°F (-30°C – 70°C),

Humidity Range: < 95% non-condensing

Multi-color status LED (back)

Set button (back)

Power: 2 AAA lithium batteries (3V DC)

IP Rating: IP67

For more information please visit www.ulinktech.xyz
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