

Digital Temperature with Dual External Sensors



Application

Module and two independent sensors used for monitoring; single door freezers, double door refrigerators or freezers/refrigerators combo. Also suitable for incubators, refrigerators or any equipment installed side-by-side.

Forwards data to the Smart-Vue* server application.

General

- Measured temperature range: from -40°C to +80°C
- Wireless module cable lengths: 1 meter for both sensors
- Size: 132.74 x 64.15 x 34 mm (5.2 x 2.5 x 1.3 in)
- Weight: 150 g (5.3 oz)
- Module Holder Mounting Options: Velcro®, magnetic, or fixed
- Battery Life / Power: Battery life dependent on customer use and size of installation; recommend changing every year with standard default software settings (battery type: 3.6V Lithium)
- Warranty: 1 year on all hardware (see warranty terms & conditions for details on coverage)

Wireless Technology

- Industrial Scientific Medical (ISM) band frequencies: 4 different bands available for worldwide use based on location
- Wireless Range: up to 700 meters (2,300 ft.) in open space, from 25 meters (82 ft.) to 100 meters (330 ft.) indoors, and up to 400 meters (1,312 ft.) indoors with 3 repeaters
- Wireless Power Output: 25mW (check with your sales representative for international product availability and radio signal strength)

Sensor Information

- Range of temperatures measured: From -40°C to +80°C .
- Sensor type: 3-lead digital sensor with w/unique serial number.
- Sensor dimensions: 50 mm x 7 mm stainless steel and PVC cable. Sensor cable length of the cable: 1 meter or 3.5 meter.
- Connector with 3 gold-plated pins between sensor and wireless module.
- Measurement uncertainty: ±0.19 C AT -30 , -15 ,0 ,+20 & +40 C
- Resolution: 0.0625°C
- Calibration certificate: 5 point sensor calibration performed with reference standard at: -30°, -15°, 0°, 20° and 40°C.
- Protection index: IP67

Memory

- 3,000 data measurement points 1500 for each sensor
- Sampling rates: minimum every 1 minute to maximum every 24 hours

Alarm

- Smart-Vue Siren • Phone call • SMS Text • Email • Fax • Print

Software

- Software Design: Cognitive ergonomic design to optimize user's work, reduce risk of error and provide additional system security
- Server/Client Relationship: Single server installation with unlimited client installation license agreement
- Scalability: Single software package manages all system sizes
- Report files require Microsoft* Word* and/or Excel* to handle data files exported in these formats

Standards and Regulations

- 915 MHz systems compliant with FCC Part 15 for non-interference with existing Wi-Fi network and other wireless devices

Environmental Conditions

- Protection Index: IP65
- Temperature range for exposure of the receiver (functioning of the electronics of the wireless repeater); 0°C to 50°C (32° to 122°F), 0 to 90% RH non-condensing.

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Please consult your local sales representative for details.

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