

Thermo Scientific Smart-Vue Wireless Monitoring Solution

Technical Data Sheet: 4-20 Milliamp Loop



Application

Module used for monitoring a single 4-20 milliampere (mA) current loop output.

General

- Module Holder Mounting Options: Velcro*, magnetic, or fixed
- Battery Life / Power: Battery life dependent on customer use and size of monitoring size; 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)

Module and Sensor Information

- Measured current range: from 4 to 20 milliamps.
- Size: 132.74 x 64.15 x 34 mm (5.2 x 2.5 x 1.3 in)
- Weight: 150 g (5.3 oz)

Alarm Types

- Smart-Vue Siren • Phone call • SMS Text • Email • Fax • Print
- Sensor Failure Protection: Spontaneous alarm emission for technical failures (sensor or receiver based); low battery alarm

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
- Programming: Programmable high and low alarm limits with delay option; visual pre-alarm; visual and local audible settings for alarm limits
- 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

- Temperature range for exposure of the module (functioning of the electronics of the module): 0°C to 50°C (32° to 122°F). 0 to 90% RH non-condensing.
- Protection index: IP65.

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