

CM-900-0019

900 MHz Sealed Wireless Temperature Transmitter

Description/Overview:

The Mesa Labs 900 MHz Sealed Wireless Temperature Transmitter is a battery operated digital temperature sensor with a microprocessor-controlled 900 MHz FCC certified radio transmitter. The Temperature Sensor has an on board clock that allows it to spend most of the time in a low power quiescent state. At predetermined time intervals the clock will wake up the onboard microprocessor. Onboard calibration tables provide a linear temperature output of the internal thermistor. This information is combined with a CRC-16 error check and transmitted in a data packet that results in a very short transmitter on-time. This architecture allows the Infitrak Temperature Sensor to consume very low energy resulting in a battery life of up to 2 years.



General Features:

- 10K internal thermistor with logging
- Onboard memory with data logging capabilities
- Stores up to 3,072 data and/or event records
- Configurable Alarm with Audible and Visual Alarm Indication
- Wireless configuration
- Up to 2 year battery life
- Integrated 100 mW, 900 MHz SSFH radio for long range
- Range Indoor: Up to 1,300 feet
- Transmission and alarm acknowledgement
- Temperature input values sampled every 15 seconds
- Programmable log rates (2 minutes to 1 hour)
- Complies with part 15 of the FCC rules

Specifications:

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| Dimensions | 4.50" H x 2.52" W x 1.38" D |
| Operating Temperature | -40 °C to +60 °C |
| Temperature Accuracy (-10 °C to +85 °C) | +/- 0.5 °C |
| Sample Rate | 15 Seconds |
| Battery Life | Up to 2 years |
| Battery | (2) 3.6 VDC Lithium Thionyl Chloride |
| Weight | 3.2 oz |
| Storage Temperature | -40 °C to +60 °C |
| FCC ID | MXQ-XBEEESC |
| Industry Canada (IC) | 1846A-XBEEESC |

For further information on the design and specifications of the Wireless Temperature Transmitter, please contact monitoringsales@mesalabs.com or dial (866) 421-5367 to speak with a sales representative.