

## CM-900-0009

# 900 MHz Temperature Transmitter Single Input

### Description/Overview:

The Mesa Labs 900 MHz RTD Temperature Transmitter, Single input is a battery-operated digital temperature sensor with a microprocessor-controlled 900 MHz FCC certified radio transmitter. The RTD Sensor has an on board clock that allows it to spend most of the time in a low power quiescent state. At pre-determined time intervals the clock will wake up the onboard microprocessor. Onboard calibration tables provide a linear output of the external RTD probe. 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 RTD Sensor to consume very low energy resulting in a battery life of up to 2 years.



### General Features:

- Compatible with all Infitrak RJ11 remote RTD probes
- Onboard memory with data logging capabilities
- Configurable Alarm with Audible and Visual Alarm Indication
- Wireless configuration
- Up to 2 year battery life
- Integrated 100mw, 900 MHz SSFH radio for long range
- Range Indoor: Up to 1300 feet
- Stores up to 3,072 data and/or event records
- 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:

<b>Dimensions</b>	4.625" H x 2.85" W x 1.00" D
<b>Measuring Current</b>	300 micro Amp. @ 2% duty cycle
<b>RTD Power on Duty Cycle</b>	2%
<b>Resolution</b>	0.1 °C
<b>Transmission Rate</b>	User Programmable
<b>Log Rate</b>	User Programmable
<b>Battery Life</b>	Up to 2 years
<b>Battery</b>	(2) 3.6 VDC Lithium Thionyl Chloride
<b>Weight</b>	5.0 oz
<b>Storage Temperature</b>	-40 °C to +60 °C

For further information on the design and specifications of the 900 MHz RTD Temperature Transmitter, Single Input, please contact [monitoringsales@mesalabs.com](mailto:monitoringsales@mesalabs.com) or dial (866) 421-5367 to speak with a sales representative.