

## CM-900-0006 900 MHz Temperature/Humidity Transmitter

The Mesa Labs Temperature/Humidity sensor is a battery operated digital temperature/humidity sensor with an integrated microprocessor controlled 900 MHz radio transmitter. The sensor has an on board clock that allows it to spend most of the time in a low power quiescent state. User defined, programmable transmission intervals allow the user to obtain data based on the application needs. Onboard calibration tables provide a linear temperature and humidity output and is combined with a CRC-16 error check and transmitted in a very short data packet that results in a very short transmitter on-time. This architecture allows the Point Sensor Temperature/Humidity transmitter to consume very low energy.

### General Features

- Digital Temperature/Humidity Sensor with logging
- Integrated 100mw, 900 MHz SSFH radio for long range
- Wireless Configuration
- Configurable Alarm Utility with Audible and Visual Alarm Indication
- Range up to 1300 feet
- Onboard calibration table provides linear output
- Up to 3-4 year battery life
- Small data packets (~75 bytes)
- Temperature and Humidity sampled every 15 seconds
- Programmable log rates (2 minutes to 1 hour)
- Built-in support for external power (5-24vAC or DC)
- FCC, CE, and IC Class B compliant



### Specifications

Dimensions	5.5" H x 3.44" W x 1.0" D
Operating Temperature	-40 °C to +85 °C
Temperature Accuracy (@25°C)	+/- 0.2 °C
Humidity Accuracy (20% to 80% RH)	+/- 0.2 %
Sample Rate	15 seconds
Battery Life	Up to 2 years
Battery	(2) 3.6 VDC Lithium Thionyl Chloride
Weight	5.0 oz
Storage Temperature	-40 °C to +85 °C

For further information on the design and specifications of the 900 MHz Temperature/Humidity Sensor, please contact [monitoringsales@mesalabs.com](mailto:monitoringsales@mesalabs.com) or dial (866) 421-8367 to speak with a sales representative.