



## Wireless Humidity and Temperature Transmitter Part of the NOMAD® Family OM-CP-RFRHTEMP101A

Starts at  
**\$269**



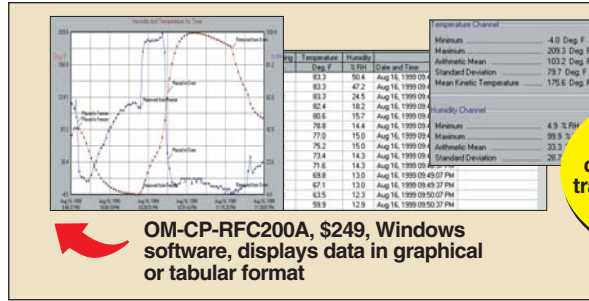
- Measure Dew Point and Vapor Concentration
- Multiple Transmitter Configurations
- Automatically Converts a PC into a Strip Chart Recorder
- Programmable Start Time
- Memory Wraparound

The OM-CP-RFRHTEMP101A is a miniature, wireless, battery-powered, standalone humidity and temperature transmitter. This portable, easy-to-use device will read and transmit temperature and humidity measurements to the host computer, where the data can be analyzed in real-time. These readings are also logged to the device's memory for added data security. The convenient slide switch turns the transmitter on or off. Data is received at the PC using the OM-CP-RFC101A receiver, which attaches directly to the serial port. All received data is time and date stamped and stored directly in the PC.

The OM-CP-RFRHTEMP101A is a major leap in both size and performance. Its small size allows it to fit almost anywhere. Numerous units can be used to transmit data to the same receiving station. The Windows software converts a PC into a real-time strip chart recorder. Data can be printed in graphical and tabular format or exported to a text or Microsoft Excel file.

### Specifications

**Temperature Sensor:** Semiconductor  
**Temperature Range:** -30 to 70°C (-22 to 158°F)  
**Temperature Resolution:** 0.1°C  
**Calibrated Accuracy:** ±0.5°C, 0 to 50°C (32 to 122°F)  
**HUMIDITY CHANNEL**  
**Humidity Sensor:** Semiconductor  
**Humidity Range:** 0 to 100% RH non-condensing  
**Humidity Resolution:** 0.5% RH  
**Calibrated Accuracy:** ±3% RH (±2% RH typical at 25°C)



**Response Time:** 90% change in 60 seconds in slow moving air  
**Calibration:** Digital calibration through software  
**Start Time:** Software-programmable start time and date (up to 6 months in advance)  
**Real-Time Recording:** Transmits data to PC to monitor and record data in real-time  
**Memory:** 5461 readings per channel

### TEMPERATURE/HUMIDITY Reading Interval:

1 reading every 30 seconds to 1 every 12 hours  
**Data Format:** Date and time stamped; °C, °F, °K, °R; % RH, mg/ml of water concentration  
**Time Accuracy:** ±1 minute/month [at 20 to 30°C (-4 to 86°F)]  
**Computer Interface:** PC serial, RS-232C COM or USB (interface cable required); 57,600 baud  
**RF Baud Rate:** 4800 baud  
**RF Carrier Communication:** 418 MHz

OM-CP-RFRHTEMP101A, \$269, shown larger than actual size



**Range:** 36 m (120') line of sight  
**Power:** 3.6 V lithium battery (included)  
**Battery Life:** 1 year typical (1 minute reading rate @ 25°C)  
**Software:** XP SP3/Vista and 7 (32-bit and 64-bit)  
**Operating Environment:** -30 to 70°C (-22 to 158°F) 5 to 95% RH non-condensing  
**Dimensions:** 20 H x 42 W x 68 mm D (0.8 x 1.7 x 2.7")  
**Weight:** 60 g (2 oz)  
**Enclosure:** ABS plastic

**AVAILABLE FOR FAST DELIVERY!**

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-RFRHTEMP101A	\$269	Wireless humidity and temperature data logger
OM-CP-RFRHTEMP101A-CERT	329	Wireless humidity and temperature data logger with NIST calibration certificate
OM-CP-RFC101A	199	Receiver package includes RF receiver, 1.22 m (4') RS-232 cable with DB9F termination, Windows software and operator's manual
OM-CP-RFC200A	249	Receiver package includes RF receiver, 3.7 m (12') USB cable, Windows software and operator's manual
OM-CP-BAT105	12	Replacement 3.6 V lithium battery

The OM-CP-RFC200A receiver package is required to operate the wireless transmitter. NIST calibration for temperature only.  
**Ordering Example:** OM-CP-RFRHTEMP101A-CERT wireless humidity temperature transmitter with NIST calibration certificate and OM-CP-RFC200A Windows software, USB cable with receiving antenna, \$329 + 249 = \$578.



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