



RFTEMP101A

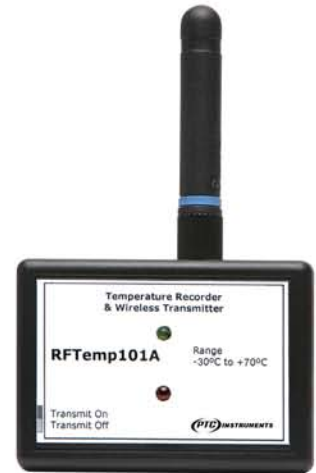
TEMPERATURE DATA LOGGER & WIRELESS TRANSMITTER

Features

- Multiple transmitter configurations
- Memory wrap around
- Software configurable
- Real-time operation
- Programmable start time
- Miniature size
- User-friendly
- N.I.S.T. traceable

Applications

- Remote data logging
- Warehouse monitoring
- HVAC
- Medical and Pharmaceutical
- Museum monitoring
- Environmental studies
- Replace costly strip chart recorders
- Implement HACCP programs



The RFTEMP101A is a battery powered temperature recorder and wireless transmitter. This is an all-in-one compact, portable, easy to use device that will measure and record up to 8,191 measurements. The RFTEMP101A combines the features from the standard product line and adds the convenience of a wireless transmitter. When enabled, the wireless transmitter will transmit readings back 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 allows the transmitter to be turned on or off without affecting the operation of the device.

The device can be started, stopped and configured directly from your computer. Its small size allows it to fit almost anywhere. In addition to the wireless communications, the RFTEMP101A makes data retrieval quick and easy. Simply plug the device into an empty COM port and our user-friendly software will handle the rest.



DATA LOGGER SOFTWARE

displays temperature data in an easy to use graph.

The Windows®-based software package allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.

RFTEMP101A SPECIFICATIONS*

Temperature Sensor: Internal Semiconductor	Time Accuracy: ±1 minute/month (at 20 to 30°C)
Temperature Range: -30 to +70°C	Computer Interface: PC serial or RS232C COM (interface cable required); 57,600 baud
Temperature Resolution: 0.1°C	RF Carrier Frequency: 418 ± 0.075MHz
Calibrated Accuracy: ±0.5°C (0 to +50°C)	RF Baud Rate: 4,800 baud
Calibration: Digital calibration through software	Maximum Output Power: <0dBm typical (<1mW)
Calibration Date: Automatically recorded within device	Receiver Sensitivity (RFC101A): -90dBm typical
Start Modes: Software programmable immediate start or delay start up to six months in advance	Range: Line-of-sight: up to 120 ft., Urban: up to 40 ft.
Real Time Recording: May be used with PC to monitor and record data in real time	Approvals: US (FCC), CA (IC)
Memory: 8,191 readings; software configurable memory wrap	Battery Type: 3.6V lithium battery included; user replaceable
Reading Rate: 1 reading every 30 seconds to 1 every 12 hours	Battery Life: 1 year typical (1 min reading rate @ 25 °C)
Data Format: Date and time stamped °C, °F, K, °R	Software: XP SP3/Vista/Windows 7
	Operating Environment: -30 to +70°C, 0 to 95%RH non-condensing
	Dimensions: 1.7" x 2.3" x 0.8" + 2.0" antenna (44mm x 59mm x 21mm + 51mm antenna)
	Weight: 2 oz (60 g)
	Materials: ABS plastic

SOFTWARE FEATURES

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F, INCINERATE OR EXPOSE CONTENTS TO WATER.

Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series	Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording: Collect and display data in real-time while continuing to log	Export Data: Export data in a variety of common formats, or switch to Excel® with a single click
Graphical Cursor: One click displays readings by time, value, parameter or sample number	Calibration: Automatically calculate and store calibration parameters
Data Table: Instantly access tabular view for detailed dates, times, values, and annotations	Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values	Communications: Automatically sets up communications port, or lets user select configuration
Formatting Options: Change colors, line styles, plotting options, show or hide channels quickly	Printing: Automatically print graphical or tabular data

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY.

ORDERING INFORMATION

Model	Description
RFTEMP101A	Temperature Recorder and Wireless Transmitter
RFC101A	Software, manual, wireless receiver, power supply and RS232 interface cable
RFC200A	Software, manual, wireless receiver, power supply and USB interface cable
NIST	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

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