



# The Mini NOMAD® Series

## Miniature RFID Data Loggers and Readers: Economical, Fast, Accurate Wireless Data Retrieval and Storage

### OM-84 Matchbook™ Series 5-Pack



**Weather  
Resistant!**

- ✓ Each Package of Tags Comes with a Certificate Stating NIST-Traceability (No Points)
- ✓ Ideal Solution for Cold Chain Monitoring
- ✓ Accurate Up to  $\pm 0.5^{\circ}\text{C}$  ( $1^{\circ}\text{F}$ )
- ✓ Wireless RFID Technology
- ✓ Store Up to 10,000 Individual Readings
- ✓ Save Stored Data From Each Logger Into Your Computer with Included Software
- ✓ Low Power Operation and Sleep Mode
- ✓ Pre-Packaged for Moderate High Volume Discounts



The OM-84 features a miniature, water resistant NEMA design.

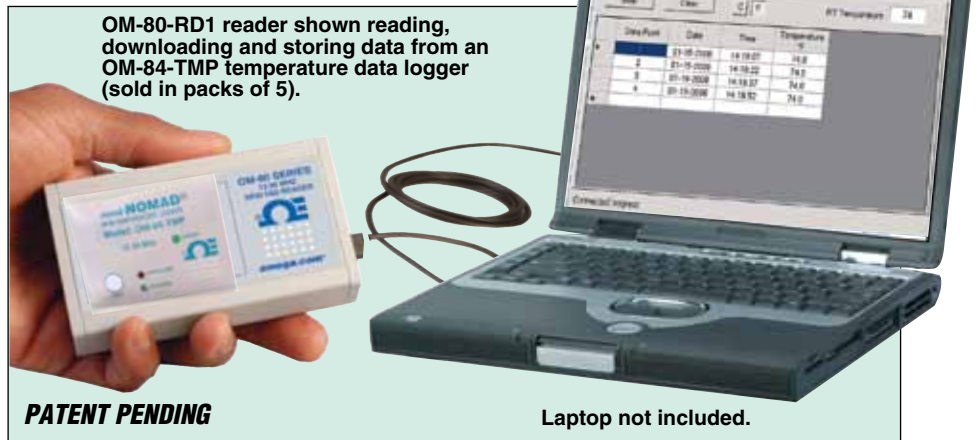


**Write-On-Window!**  
OMEGA's miniature RFID data loggers feature a unique write-on-window built into every unit. This provides an easy way to add your own tracking or shipment number to each unit for easy identification after retrieval from deployment!

Shown actual size.

OMEGA's OM-80 Series of data loggers have been engineered to provide an economical and reliable solution for cold chain environmental monitoring. The low cost OM-84 features a miniature weather-resistant design. The OM-84 operates over a wide range of temperatures from  $-40$  to  $60^{\circ}\text{C}$  ( $-40$  to  $140^{\circ}\text{F}$ ) making them ideal for most remote data logging applications inside shipping containers. Built-in LEDs display high and low alarm verification indicating that measured temperatures have remained within the user programmable alarm window throughout deployment. An internal solid-state precision temperature sensor provides accurate readings up to  $\pm 0.5^{\circ}\text{C}$ .

**CAUTION! – This product is not intended for medical use or use on humans**



OM-80-RD1 reader shown reading, downloading and storing data from an OM-84-TMP temperature data logger (sold in packs of 5).

**PATENT PENDING**

Laptop not included.



# Miniature RFID Data Loggers

**“Deploy multiple units for better zone profiling...  
All for less than the cost of one standard data logger”**

Record the temperature during transport! The OM-84 is perfect, with its compact size. Just turn it on, drop it in place and go.

Simply place the data logger on the OM-80-RD1 reader, and download the data to your PC.



Laptop not included.

## Specifications

### PRELIMINARY SPECIFICATIONS

(Please visit [omega.com/rfid](http://omega.com/rfid) for the latest features and specifications)

**Temperature Measurement Range:** -40 to 60°C (-40 to 140°F)

**Accuracy:** ±0.5°C from 0 to 50°C (±1°C below 0°C or above 50°C)

**Resolution:** 0.1°C or °F

**Storage Temperature:** -40 to 85°C (-40 to 185°F)

**Ambient Pressure Range:** 8 to 20 psi; exceeding these limits may damage the unit

## Wireless Operation

**Read/Write Wireless Range:** Up to 50 mm

### Power:

**OM-84-TMP:** Lithium/manganese dioxide 3 volt coin cell

**Shelf Life:** Up to 3 years (non-activated) with proper storage

**Usage Life:** Up to 2 years (after activation)

**Memory:** Up to 10,000 rdgs (eg: 208 days at 1 rdg/30 minute)

**Recording Programmable Interval:** From 1 second to 9 hours, 6 minutes, 7 seconds

### Data Logging Start Time:

Alarm clock or delayed start, selectable by user

### Operation Status Indicator:

LED blinks green when the unit is activated

**Alarm Status Indicator:** LED blinks red when the unit exceeds high or low alarm set point

**Activation:** Push-button on surface of device

**Temperature Alarm:** Programmable temperature alarm with high and low limits, selectable in software

### Dimensions:

**OM-84:** 61 L x 43 W x 6.4 mm H (2.4 x 1.7 x 0.25")

## To Order Visit [omega.com/om-80\\_series](http://omega.com/om-80_series) for Pricing and Details

Model No.	Description
OM-84-TMP-5	Water resistant temperature logger, package of 5
OM-84-TMP-20	Water resistant temperature logger, package of 20
OM-84-TMP-50	Water resistant temperature logger, package of 50
OM-84-TMP-100	Water resistant temperature logger, package of 100
OM-84-TMP-KIT*	Water resistant temperature logging kit: 5 loggers, benchtop reader, software, cable, case, marker
OM-80-RD1	Benchtop reader with software and USB cable
SC-HH500	Reader carrying case

\* Comes complete with data loggers, benchtop reader unit, USB cable, software program on CD-ROM, permanent marker, easy operating instructions and batteries.

**Ordering Examples:** OM-84-TMP-5, temperature data logger (5-pack), OM-80-RD1, benchtop USB reader with cable and software, and SC-HH500, reader carrying case.

OM-84-TMP-KIT, temperature logging kit.