Single Use Cold Chain PDF Temperature Data Logger
Part of the NOMAD® Family

OM-21

- ✔ **Plug-and-Play USB 2.0 Interface**
- ✔ **No Special Software or Driver Required for Programming and Download**
- ✔ **Automatically Generates a PDF Report While Connected to PC**
- ✔ **PDF Report Contains Summary, Graph and Detailed Data List**
- ✔ **Low Cost Single Use with Accurate Thermistor Sensor**
- ✔ **EN12830, FDA 21 CFR Part 11 Compliance**

The OM-21 data logger is for use in cold chain applications to monitor the transportation of pharmaceuticals, food and other temperature sensitive products. The data logger is completely user-programmable including language selection, sampling interval, start delay, alarm delay, temperature units, alarm range, alarm type, password and user name. The unit's compact, lightweight, waterproof and flat design allows it to fit inside any package. No special software or driver is required for set-up or download of data. On completion of data logging a PDF report is automatically generated containing data summary, graph and tabular results. The data logger appears as a mass storage device when connected to the PC. User manual, set-up utility and PDF report are all stored in the data logger.

The OM-21 plugs directly into your PC's USB port for easy programming and downloading of logged data.

Specifications
TEMPERATURE
Sensor: Thermistor
Range: -30 to 70˚C (-22 to 158˚F)
Accuracy: ±0.5˚C
Resolution: 0.1˚C (0.1˚F)
Units: ˚C or ˚F
Logging Type: Single use
Memory: 8192 readings
Sampling Interval: 30 seconds, 5, 10, 30, 60, 90, 120 minutes
Data Integrity: File encrypted technology ensures data integrity
Password: Can be ON or OFF (default is OFF); password can be up to 16 alpha-numeric characters
Compatibility: Windows XP/Vista/7 and 8
Start Delay: 0, 5, 30, 45, 60, 90, 120 minutes

Alarms:
Single: A LED alarm is triggered immediately when the measured value exceeds the alarm threshold
Cumulative: A LED alarm is not triggered when the measured value exceeds the alarm threshold, but only once the overall average value during alarm delay duration exceeds the alarm threshold
Disable: No LED alarm function during the logging process
Alarm Range: -20 to -10˚C (-4 to 14°F), -10 to 0˚C (14 to 32°F), 2 to 8˚C (36 to 46°F) (low alarm below 2˚C, high alarm above 8˚C), 0 to 15˚C (32 to 59°F), 0 to 25˚C (32 to 77°F), 15 to 25˚C (59 to 77°F) (other ranges possible)
Alarm Delay: Preset alarm delay for single alarm type is always zero; the adjustable alarm delay time for cumulative alarm type is user-selectable at 5, 30, 45, 60, 90, or 120 minutes
Language: English (default), German, French, Italian, Spanish
Operation: 2 keys; start/stop key and mark key (provides up to 8 bookmarks during the data logging period)
LED Indicators: REC, low battery, high alarm, low alarm
Operating Temperature: -30 to 70˚C (-22 to 158˚F)

Operating Humidity: <80% RH

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

Storage Humidity: <90% RH

Power: 3V lithium battery (CR2032) factory installed

Shelf Life: 12 months

Protection Class: IP65 (when contained in the included plastic bag)

Weight: 10 g (0.35 oz)

Dimensions:

   Unpouched Size: 73 L x 33 W x 2.5 mm D (2.87 x 1.30 x 0.10")

   Pouched Size (data logger inside included plastic bag): 105 L x 55 W x 2.5 mm D (4.13 x 2.17 x 0.10")

OM-21 shown inside waterproof zipper bag.

On completion of data logging a PDF report is automaticaly generated containing data summary, graph and tabular results.

To Order

Model No.	Description
OM-21-10PK	Single use cold chain PDF temperature data logger, 10 pack