High Performance, Portable, Low Cost NOMAD™ Dataloggers
for Temperature and Temperature/Humidity
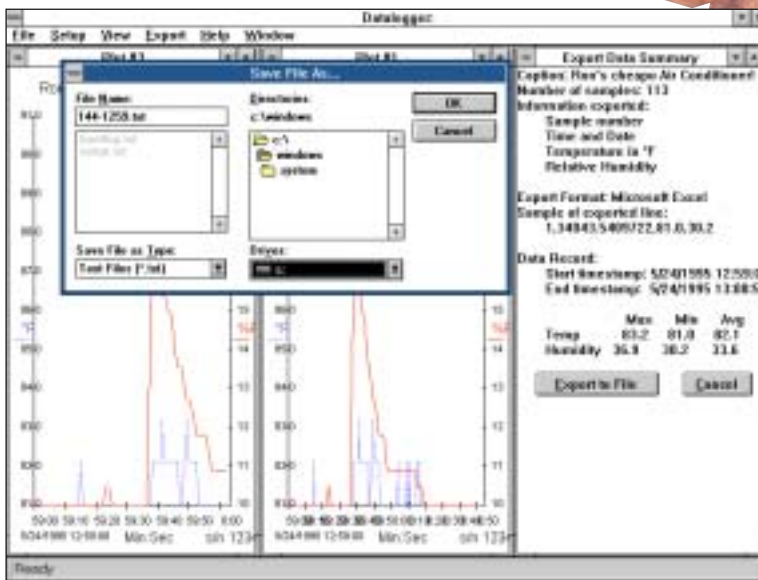
OM-NOMAD Series
$135
Basic Unit

✔ **Rugged**
✔ **Compact Size**
✔ **Extended Memory and Range**
✔ **Programmable Limit Alarms with LED Indicator**
✔ **Long-Life Two-Year Battery**
✔ **Stores Samples in Non-Volatile Memory**
✔ **Software Available for DOS, Windows or Macintosh**

SERIAL I/O

IBM PC

A/IN

Shown larger than actual size.

The NOMAD Series dataloggers are low-cost easy-to-use portable dataloggers which can record either temperature or temperature and humidity data. Because of its compact size, it is ideally suited for applications where space limitations exist. The NOMAD-T datalogger measures and records temperature only, using the internal temperature sensor or the optional remote sens-or. The NOMAD-RH Series datalogger will measure and record both temperature and relative humidity simultaneously using the internal sensors. In addition to the temperature and humidity, the NOMAD datalogger will also store the unit identification number, start time, sample interval and descriptive text relating to the logging session. The NOMAD datalogger also features programmable alarm limits. If an alarm condition occurs, an on board LED will light when the pushbutton is pressed. Once collected, the data may be downloaded to a computer through a standard RS-232 connection using one of the three available software packages. Software is available which will operate under DOS, Windows or on a Macintosh computer. Once downloaded to a computer, the data may then be stored on disk in a file format which is compatible with most spread-sheets. The Windows and Macintosh programs also provide graphic display and print out of the data. Models are available with additional memory, to handle longer logging sessions.

High Performance Portable Temperature and Temperature/Humidity Dataloggers

The NOMAD High Performance datalogger is available with Windows or Macintosh software. Collected data may be stored in convenient spreadsheet format.

Easy to use software provides clear graphs; data can be exported to any spreadsheet or database program for later analysis (Windows software shown).

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Specifications

Temperature Range: with external temperature sensor
-40 to 90°C
(-40 to 194°F); with internal sensor
0 to 50°C (32 to 122°F)

Temperature Accuracy:
±1.8°C with internal sensor

Temperature Sensor:
RTD 1kΩ, } = 3750

Humidity Range: 20 to 90% RH, non-condensing

Humidity Accuracy:
±5% @ 25°C, 60% RH; additional error of ±0.3 RH/°C away from 25°C

Humidity Operating Range:
0 to 50°C

Humidity Sensor:
bulk polymer resistive

Humidity Response Time:
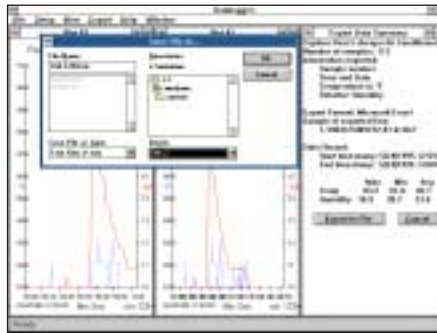63% step change in < 5 minutes

Memory: EEPROM storage

Measurement Interval:
programmable from 1 sec. per reading to 3 hours

Temperature Resolution:
better than 1°C

Battery: 3.6V AA, lithium cell approx. 2 years cell life

Dimensions: 71L x 56 W x 24H mm (2.8 x 2.2 x 0.95")

To Order *(Specify Model Number)*

Model No.	Price	Description
OM-NOMAD-T-16	$135	Temp. datalogger, 16K (16,192 samples)
OM-NOMAD-RH-32	185	Temp./RH datalogger 32K (16,192 samples for temp and humidity)

Accessories/Options

Model No.	Price	Description
OM-NOMAD-RTD	$45.00	External temperature sensor with 6' cable (cannot be used with OM-NOMAD-RH-32)
OM-NOMAD-CP9	9.00	RS-232 cable for IBM PC, 9-pin female connector
OM-NOMAD-CP25	9.00	RS-232 cable for IBM PC, 25-pin female connector
OM-NOMAD-CM	9.00	RS-232 cable for Macintosh
OM-NOMAD-WIN	49.00	Windows and DOS software, 3 1⁄2" disk
OM-NOMAD-MAC	49.00	Macintosh software
OM-NOMAD-BATT	12.00	Replacement battery

Ordering Example: OM-NOMAD-RH-32 Temp/RH datalogger 32K memory, OM-NOMAD-WIN Windows and DOS software, and OM-NOMAD-CP25 RS-232 cable for IBM PC with 25-pin connector, $185 + 49 + 9 = $243.

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