High Performance, Portable, Low Cost NOMAD® Data Loggers
for Temperature and Temperature/Humidity
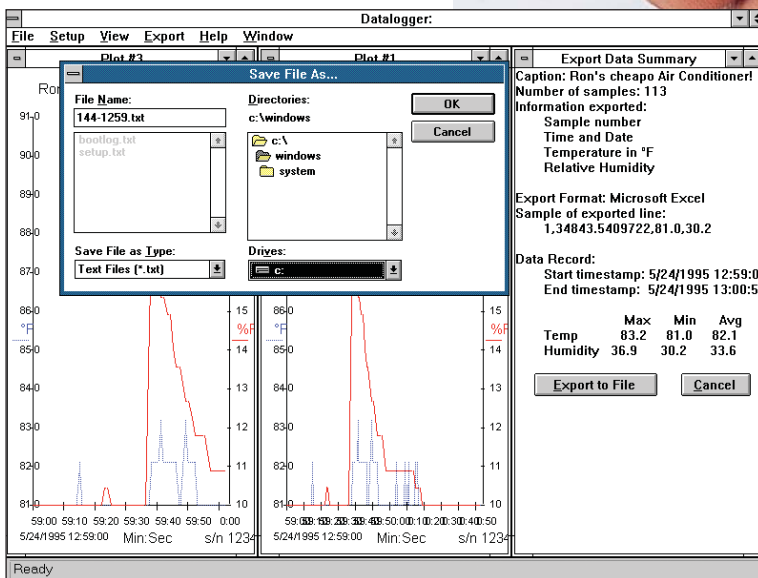
SERIAL I/O   IBM PC   A/IN

OM-NOMAD Series

$135

Basic Unit

MADE IN USA | 1 YEAR WARRANTY | CE | OMEGA CARE™ Extended Warranty Program

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

OM-NOMAD Data logger shown larger than actual size

The NOMAD® Series data loggers 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 data logger measures and records temperature only, using the internal temperature sensor or the optional remote sensor. The NOMAD-RH Series data logger will measure and record both temperature and relative humidity simultaneously using the internal sensors. In addition to the temperature and humidity, the NOMAD® data logger will also store the unit identification number, start time, sample interval and descriptive text relating to the logging session. The NOMAD® data logger 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 the Windows software.

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 software also provides graphic display and print out of the data. Models are available with additional memory, to handle longer logging sessions.

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High Performance Portable Temperature and Temperature/Humidity Data Loggers

The NOMAD® High Performance data logger is available with Windows software. Collected data may be stored in convenient spreadsheet format.

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

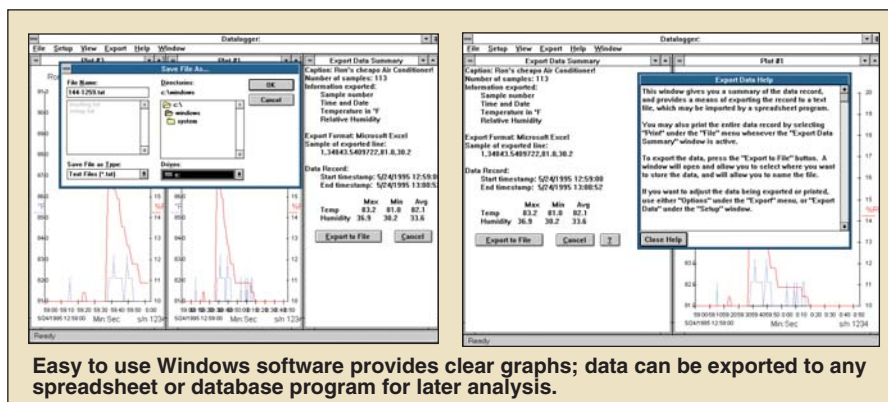**Temperature Resolution:**
better than 1°C

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

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

OMEGACARE^{SM} extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE^{SM} covers parts, labor and equivalent loaners.

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

To Order *(Specify Model Number)*

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

Accessories/Options

Model No.	Price	Description
OM-NOMAD-RTD	$45	External temperature sensor with 6' cable (cannot be used with OM-NOMAD-RH-32)
OM-NOMAD-CP9	9	RS-232 cable for IBM PC, 9-pin female connector
OM-NOMAD-CP25	9	RS-232 cable for IBM PC, 25-pin female connector
OM-NOMAD-WIN	49	Windows software on CD ROM
OM-NOMAD-BATT	12	Replacement battery

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

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters,Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves,Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

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• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters

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