

Portable Data Logger with USB Interface



OM-MICROLITE-8, \$75, shown larger than actual size.

OM-MICROLITE
Starts at
\$75



- ✓ **High Functionality, Low-Cost, Enabling Use As One-Trip Logger**
- ✓ **High Resolution 16-Bit (0.1°C)**
- ✓ **Range -40 to 80°C, (-40 to 176°F)**
- ✓ **High Accuracy 0.3°C**
- ✓ **16,000 Sample Memory**
- ✓ **Long Life Battery Using NanoWatt Technology**
- ✓ **USB 2.0 Interface Enabling Fast Track Communication**
- ✓ **LCD Display With Decimal Point Reading**
- ✓ **Magnet Key to Activate Logging**
- ✓ **Min/Max and Alarm Level Readings**
- ✓ **Built-In Real-Time Clock and Calendar**
- ✓ **Complimentary Analysis Software**

Aesthetic and innovative, the OM-MICROLITE is a small data logger for monitoring and recording temperature.

The OM-MICROLITE is the ultimate plug and record data logger. Despite the compact design, the OM-MICROLITE data is clearly displayed on the logger's numeric screen.

In addition, the OM-MICROLITE stored data can be downloaded automatically to the MICROLAB-LITE software.

The OM-MICROLITE has been dustproof and waterproof tested to meet highest market standards (IP 68). To further ensure easy global usage, the battery is easily replaceable since it is a standard model used worldwide.

The OM-MICROLITE works with the MICROLAB-LITE software, which can be downloaded for free directly from omega.com. The product is designed for ultimate application accessibility, whether mobile or static. Typical applications for this product include transportation as well as warehousing of food, drugs and hi-tech equipment.

Software

The MICROLAB-LITE software has features that have been designed specifically in response to requests from the field enabling a broader and more complex range of application environments.

Features include analysis functionality such as Statistics—maximum, minimum and average, enabling a quick glance summary of the environment and historical analysis.

This is typically useful for applications requiring a constant bird's eye picture of the conditions their materials are kept in. The OM-MICROLAB software package (sold separately), achieves compliance with FDA Title 21 CFR Part 11 with: Microlab and DatPass. The DatPass software is the administration software, which includes features that define the users that can log into the MicroLab software, their passwords and the digital signatures the users are permitted to sign data within electronics records (files).

The MicroLab software is used to access the electronics records, display the logger data, analyze the data and allow the user to add the appropriate digital signatures to the electronic records, in addition to other features. An additional security feature is the USB port dongle, without which the MicroLab and DatPass software packages will not operate.

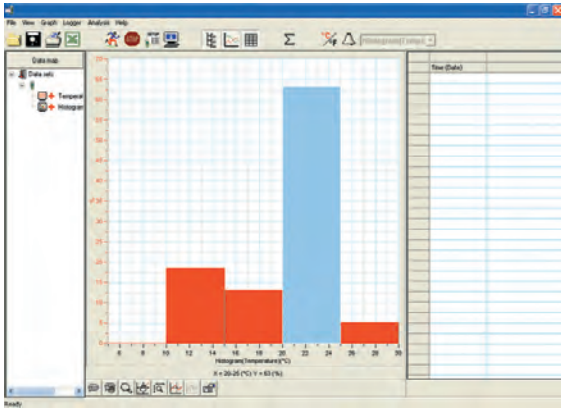
Specifications

INTERNAL SENSOR

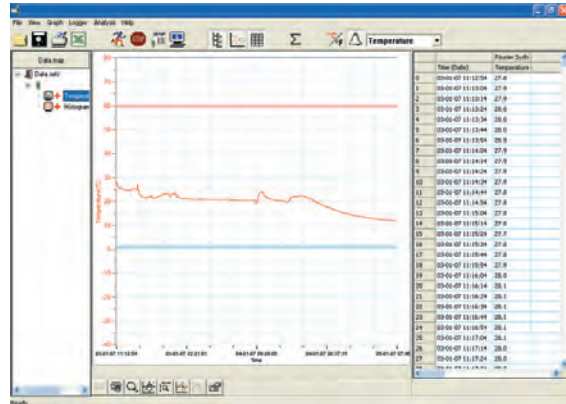
Temperature: -40 to 80°C (-40 to 176°F)

Standards compliance: Dust and Waterproof NEMA 6 (IP68); Thermal conductor enabling fast response time

DATA LOGGERS



The MICROLAB-LITE software displays data in graphical or tabular format



OUTPUTS

USB 2.0 communication

SAMPLING

Resolution: A/D resolution: 16-bit, 0.1°C

Capacity: Memory capacity: 8KB, 16KB

Sampling Rate: 1 per second

to 1 per 2 hours

Accuracy: 0.3°C

Power: 3 V lithium battery (included)
(field replaceable)

Battery Life: 2 years at 1 sample
per minute

Dimensions:

11 H x 3.9 W x 2.6 cm D

(4.3 x 1.5 x 1.0")

Weight: 45.5 g (1.6 oz)

Display: LCD with decimal point;
Visual Alert—Alarm icon when crossing
predefined thresholds, low battery
indication



OM-MICROLITE-8, \$75,
shown actual size.



OM-MICROLITE-8,
\$75, with laptop
(laptop not included)

Operation: Data scroll on the LCD, reed switch
to start measuring

Software: Windows® 2000/ME/XP/NT 4.0 or higher
and Vista (Also available—OM-MICROLAB 21 CFR
Part 11 Standards Compliance Software)

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
OM-MICROLITE-8	\$75	Portable data logger with USB interface, 8000 samples
OM-MICROLITE-16	85	Portable data logger with USB interface, 16,000 samples
OM-MICROLITE-MAGNET	7	Starting magnet
OM-MICROLITE-BATTERY	6	Replacement 3 V lithium battery
OM-MICROLAB	380	21 CFR Part 11 Standards compliance software (includes DatPass administration application and USB port dongle)

Comes with quick start guide and 3V lithium battery. The MICROLAB-LITE software and user manual can be downloaded for free directly from omega.com.

Ordering Example: OM-MICROLITE-8, portable data logger with USB interface, \$75.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

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Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



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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

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• 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

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• 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