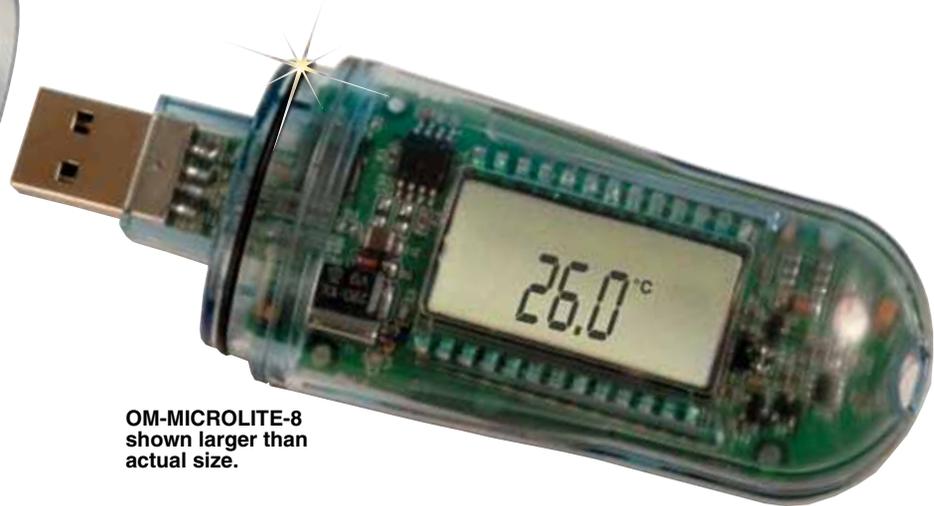


Portable Data Logger with USB Interface



OM-MICROLITE



OM-MICROLITE-8 shown larger than actual size.

- ✓ 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 ware-housing 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

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

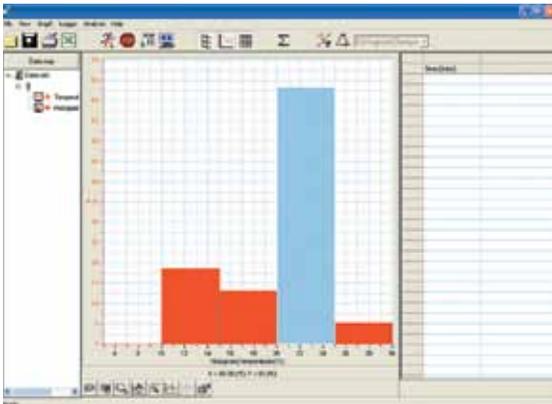
Power: 3 V lithium battery (included) (field replaceable)

Battery Life: 2 years at 1 sample per minute

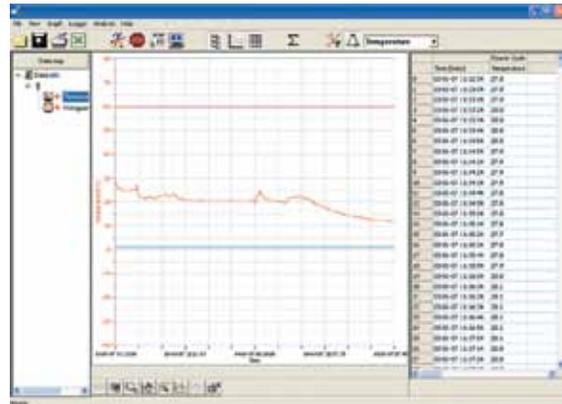
Dimensions:

11 H x 3.9 W x 2.6 cm D (4.3 x 1.5 x 1.0")

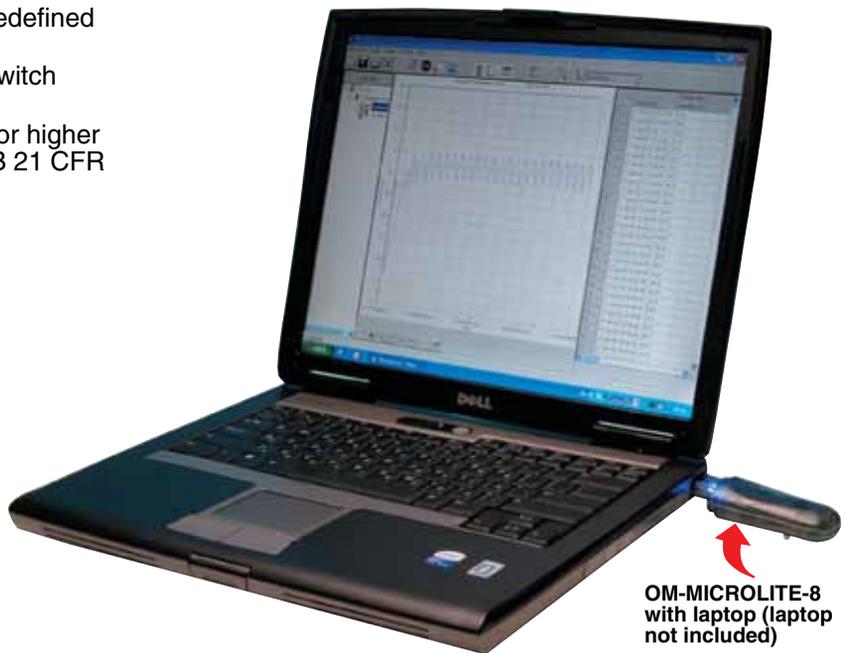
Weight: 45.5 g (1.6 oz)



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



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



OM-MICROLITE-8 with laptop (laptop not included)



OM-MICROLITE-8 shown actual size.

To Order	
Model No.	Description
OM-MICROLITE-8	Portable data logger with USB interface, 8000 samples
OM-MICROLITE-16	Portable data logger with USB interface, 16,000 samples
OM-MICROLITE-MAGNET	Starting magnet
OM-MICROLITE-BATTERY	Replacement 3 V lithium battery
OM-MICROLAB	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 online.
Ordering Example: OM-MICROLITE-8, portable data logger with USB interface.