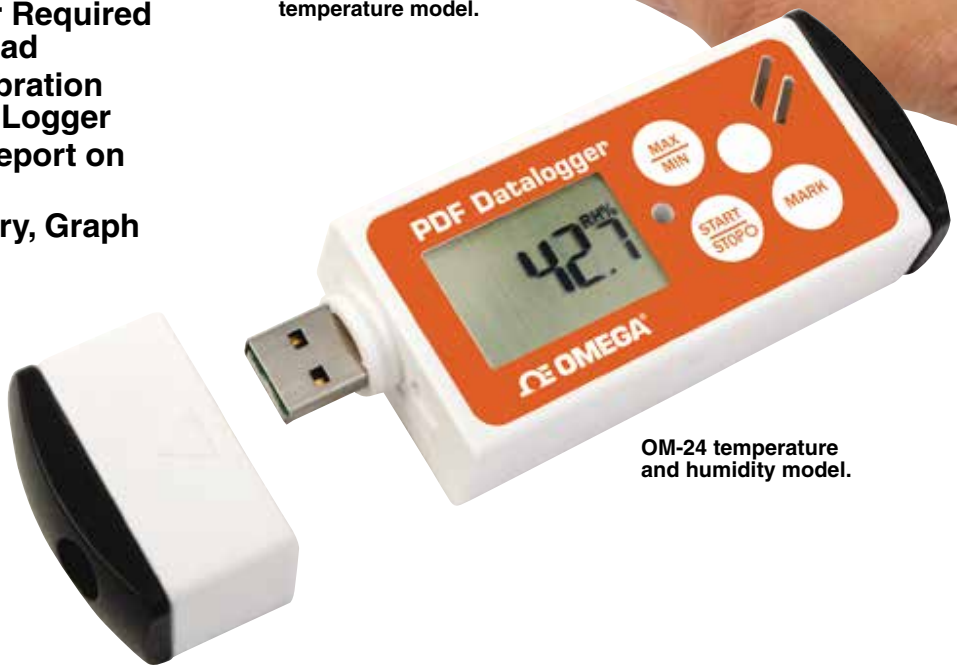
Multi-Use PDF Temperature and Humidity Data Loggers

OM-22, OM-23, OM-24

- **Plug-and-Play Multi-Use Temperature Data Logger with USB 2.0 Interface**
- **Accurate Thermistor Temperature Sensor**
- **No Special Software or Driver Required for Programming and Download**
- **Configuration Utility and Calibration Certificate Stored in the Data Logger**
- **Generate a PDF and Excel® Report on Completion of Data Logging**
- **PDF Report Contains Summary, Graph and Detailed Data List**
- **LCD Display**
- **Dual Color Status LED**
- **Start/Stop Logging via Single Button Press**
- **MIN/MAX Function**
- **EN 12830 Compliance**



OM-22 ambient temperature model.



OM-24 temperature and humidity model.

The OM-22, OM-23 and OM-24 are multiple use temperature and humidity data loggers that are ideal for a wide range of test and measurement, quality control, and environmental monitoring applications. They conveniently generate a PDF and Excel report on completion of data logging. The OM-22 measures ambient temperature using an internal thermistor temperature sensor. The OM-23 measures ambient temperature and also accepts an external thermistor temperature probe as input. Model OM-24 measures ambient temperature and relative humidity. These data loggers are completely user-programmable including language selection, sampling interval, start delay, alarm delay, temperature units, alarm range, alarm type, password and user name. No special software or driver is required for setup or download of data. The data logger appears as a mass storage device when connected to the PC. The user manual, a calibration certificate and data logger configuration utility are all stored in the data logger.

To setup the data logger simply plug it into a USB port on your computer and run the on-board configuration utility. Once configuration is complete the data logger can be removed from the PC's USB port. On completion of data logging re-connect the data logger to the computer and open the configuration utility. Choose the function convert to PDF or convert to Excel and select the desired location on your computer to store the reports. The PDF report contains the data summary, graph and tabular results. The Excel report contains all of the information in the PDF report except for the graph.



OM-23 dual temperature model (laptop not included).

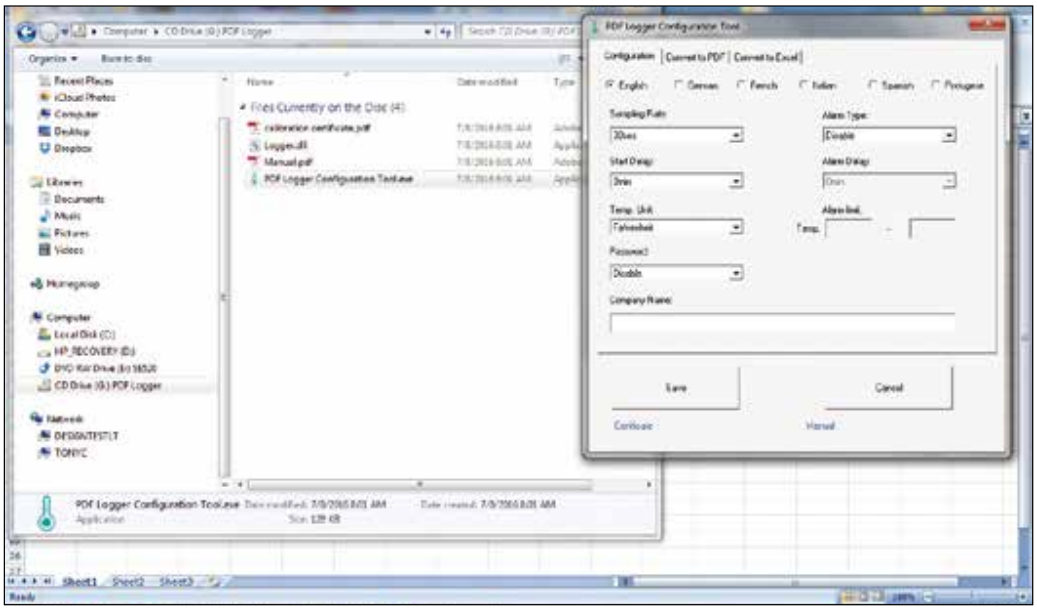
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Specifications

	OM-22	OM-23	OM-24
Internal Temperature			
Temperature Sensor	NTC Thermistor		
Temperature Range	-30 to 70°C (-22 to 158°F)		
Temperature Accuracy	±0.5°C		
Temperature Resolution	0.1°C, 0.1°F		
External Temperature (OM-23 Only)			
Temperature Sensor	—	NTC Thermistor	—
Temperature Range	—	-30 to 70°C (-22 to 158°F)	—
Temperature Accuracy	—	±0.5°C	—
Temperature Resolution	—	0.1°C, 0.1°F	—
Relative Humidity (OM-24 Only)			
Humidity Sensor	—	—	Capacitive
Humidity Range	—	—	0.1 to 99.9% RH
Humidity Accuracy	—	—	±3% RH from 10 to 90% RH @ 25°C, ±5% RH elsewhere
Humidity Resolution	—	—	0.1% RH
Logging Type	Multiple Use		
Memory	48,000 points (internal temperature)	24,000 points (internal temperature) + 24,000 points (external temperature)	24,000 points (internal temperature) + 24,000 points (relative humidity)
Sampling Interval	30 seconds, 5, 10, 30, 60, 90, 120 minutes		
Start Delay	0, 5, 30, 45, 60, 90, 120 minutes and 24 hours		
Password	Can be ON or OFF (default is OFF); password can be up to 16 alpha-numeric characters		
Compatibility	Windows XP/Vista/7/8		
Languages	English (default), German, French, Italian, Spanish, Portuguese		
Temperature Alarm Range	-30 to 70°C (-22 to 158°F)		
Humidity Alarm Range (OM-24 Only)	—	—	1 to 99% RH
Alarm Delay	0, 5, 30, 45, 60, 90, 120 minutes		
Alarm Type	Single Event, Cumulative, Disable*		
Display	LCD		
LED Indicator	REC, High/Low Alarm		
Operation Buttons	Start/Stop, Mark (provides up to 8 bookmarks during the data logging period), Min/Max		
Operating Temperature	-30 to 70°C (-22 to 158°F)		
Operating Humidity	<90% RH		
Storage Temperature	-40 to 85°C (-40 to 185°F)		
Storage Humidity	<90% RH		
Power	Two 3V CR2032 lithium coin cell batteries		
Battery Life	Approximately 3 months		
Protection Class	NEMA 6 (IP67)	NEMA 4 (IP65)	NEMA 4 (IP65) not including sensor area
Dimensions	110 L x 45 H x 17 mm D (4.3 x 1.8 x 0.7")		
Weight	90 g (3.2 oz)		

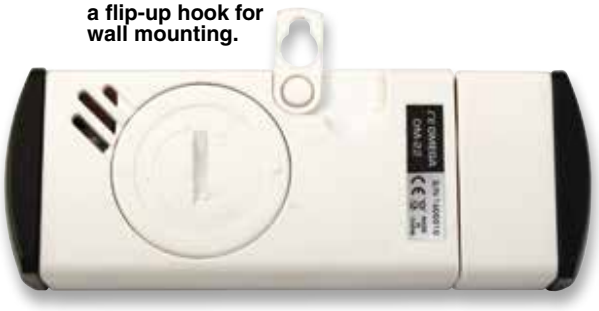
**Single: an LED alarm is triggered immediately when the measured value exceeds the alarm threshold; Cumulative: an LED alarm is not triggered when the measured value exceeds the alarm threshold, but only once the overall average value during alarm delay duration exceeds the alarm threshold; Disable: no LED alarm function during the logging process.*

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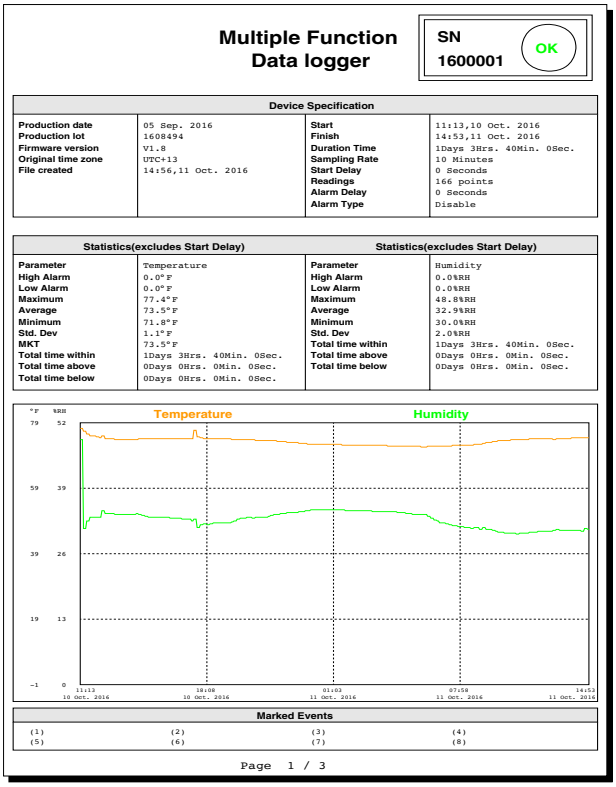
On-board configuration utility (included).

All models feature a flip-up hook for wall mounting.



OM-23 can be connected to an external temperature probe (sold separately).





The OM-22, OM-23 and OM-24 can output reports in PDF or Excel format.

To Order

Model No.	Description
OM-22	Multi-use PDF temperature data logger, ambient temperature
OM-23	Multi-use PDF temperature data logger, ambient temperature plus input for external temperature probe (external probe sold separately)
OM-24	Multi-use PDF temperature and humidity data logger
OM-23-TP1	External temperature probe (with handle) for OM-23
OM-23-TP2	External temperature probe (without handle) for OM-23

Comes complete with two CR2032 3V lithium coin cell batteries and user's manual.
***Ordering Example: OM-24** multi-use PDF temperature and humidity data logger.*

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