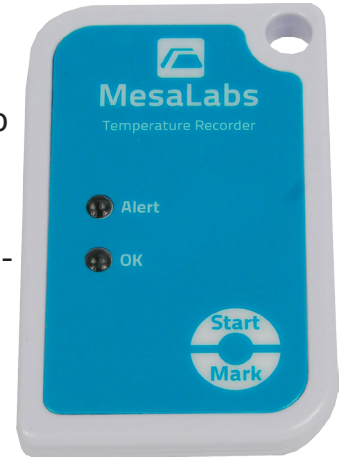


## Part # CM-000139 M-Tag Data Loggers

Used as spot verification tools and for mapping and thermal studies, Mesa's M-Tag data loggers are the ideal solution for several industries and situations. With a variety of options and configurations, these units pack a large amount of capabilities into a small, affordable form factor.

The M-Tag P/N CM-000139 is a versatile, wide range, multi-trip Temperature Recorder, featuring high resolution temperature readings over a measurement range of -40 °C to +85 °C (-40 °F to +185 °F).



- Versatile, wide range, multi-trip Temperature Recorder
- Massive 16,000 reading memory capacity with up to 3 year battery life
- 'OK' & 'ALERT' Indicator with high and low customizable alarms
- Industry best download time - less than 10 seconds for full memory

M-Tag P/N CM-000139 is equipped with a unique external temperature sensor arrangement providing fast reaction time to temperature change.

- A real time clock provides date/time stamps for each temperature reading.
- Push-to-start button with optional delay or a specific time & date.
- Comprehensive customization options including alert settings, sample interval and trip duration.
- Complies with industry standards. Click the 'Specification' tab to view a list of compliance standards.

Using the M-Tag Interface Cradle and available companion software, M-Tags are easily set-up for recording including delayed start, sampling interval, number of readings and configuration of conditions to activate the 'ALERT' indicator.

M-Tag software also provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as MS Excel once the data has been downloaded.

### Specifications

<b>Measurement Range</b>	-40 °C ~ +85 °C (-40 °F ~ +185 °F)
<b>Resolution</b>	< 0.1 °C for -40 °C ~ +40 °C, < 0.2 °C for +40 °C ~ +80 °C
<b>Accuracy</b>	Better than ±0.5 °C for -20 °C ~ +40 °C. Better than ±0.7 °C for -20 °C ~ -30 °C & +40 °C ~ +60 °C Better than ±0.8 °C for -30 °C ~ -40 °C & +60 °C ~ +80 °C
<b>Sensor Reaction Time</b>	Typically less than 5 minutes in moving air (1 m/s).
<b>Capacity</b>	16159 readings (32K bytes memory)

# M-Tag Data Loggers Specification Sheet

<b>Sampling Frequency</b>	Adjustable, 30 sec to several hours
<b>Logging Start Options</b>	Push button start or specific date & time. Optional start delay of up to 18hours.
<b>Recording Indication</b>	Flashing 'OK' indicator / flashing 'ALERT' indicator.
<b>Download Time</b>	Typically with full memory (16159 readings) in less than 10 seconds depending on computer or readout device used.
<b>Environmental</b>	IP65 (roughly equivalent to NEMA 4)
<b>Power Source</b>	3V LiMg battery
<b>Battery Life</b>	2 ~ 3 years of normal use (based on 15 minute logging, download data monthly).
<b>Size</b>	86 mm (H) x 54.5 mm (W) x 8.6 mm (T)
<b>Weight</b>	35 grams
<b>Case Material</b>	Polycarbonate
<b>Other Features</b>	<ul style="list-style-type: none"> <li>• Logging start by push button or specific date/time start.</li> <li>• Optional clearing of alert indication by push button (places inspection mark at same time).</li> <li>• Download inspection mark recorded in M-Tag memory every time M-Tag is downloaded.</li> <li>• 'Prestart' fail-safe logging (records temperature data even if not started).</li> <li>• Low Battery indication in software.</li> <li>• Comprehensive Alert indicator configuration.</li> </ul>