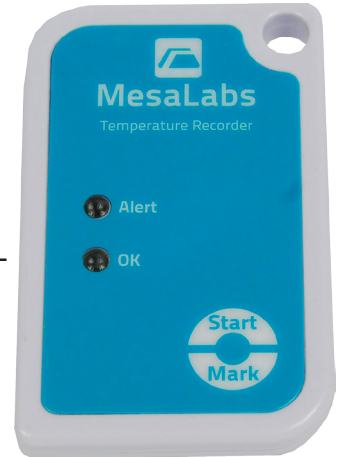


Part # CM-000138 M-Tag Data Loggers

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-000138 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
- 8000 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 5 seconds for full memory

M-Tag P/N CM-000138 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 including EN12830. WHO PQS Prequalified under E006 devices: PQS Code E006/006

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

Measurement Range	-40 °C ~ +85 °C (-40 °F ~ +185 °F)
Resolution	< 0.1 °C for -40 °C ~ +40 °C < 0.2 °C for +40 °C ~ +80 °C
Accuracy	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
Sensor Reaction Time	Typically less than 5 minutes in moving air (1 m/s)
Capacity	8032 readings (16K bytes memory)
Sampling Frequency	Adjustable, 30 sec to several hours

M-Tag Data Loggers Specification Sheet

Logging Start Options	Push button start or specific date & time. Optional start delay of up to 18 hours
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator
Download Time	Typically with full memory (8000 readings) in less than 5 secs depending on computer or readout device used.
Environmental	IP65 (roughly equivalent to NEMA 4)
Power Source	3V LiMg battery
Battery Life	2 ~ 3 years of normal use (based on 15 minute logging, download data monthly)
Size	86 mm (H) x 54.5 mm (W) x 8.6 mm (T)
Weight	35 grams
Case Material	Polycarbonate
Other Features	<ul style="list-style-type: none"> • Logging start by push button or specific date/time start • Optional clearing of alert indication by push button (places inspection mark at same time). • Download inspection mark recorded in M-Tag memory every time M-Tag is downloaded. • 'Prestart' fail-safe logging (records temperature data even if not started) • Low Battery indication in software. • Comprehensive Alert indicator configuration.