

Part # CM-000140 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-000140 single-use USB PDF Temperature Recorder measures and stores up to 8,000 real time temperature readings over a measurement range of -25 °C to +60 °C (-13 °F to +140 °F).



- Integral USB connector - No separate Interface Cradle required
- Automatically generates a PDF report - No special software required
- Encrypted LTD file generated for a more detailed analysis
- User configurable - No need to buy a special logger for each application
- Suitable for independent receivers, clinical trials & last-mile distribution

Enclosed in a robust and durable polycarbonate case, the P/N CM-000140 plugs directly into the computer USB to automatically generate a fully detailed PDF report with the option to download the data using the freely available Analyzer software for a more detailed analysis.

- Fully user configurable for individual alarm settings, start options, trip length and log interval.
- Up to 8,000 recordings - enough for the longest trip with in-transit inspections which can be recorded at the push of a button.
- Robust and durable polycarbonate case with lug for secure mounting.
- Complies with industry standards. Click the 'Specification' tab to view a list of compliance standards.

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	-25 °C to +60 °C (-13 °F to +140 °F)
Resolution	0.1 °C (0.1 °F)
Accuracy	Better than ±0.5 °C (±0.9 °F) for measurements from - 5 °C to +30 °C (23 °F to +86 °F) Better than ±0.8 °C (±1.5 °F) for other measurements
Sensor Reaction Time	Typically less than 5 minutes in moving air (1 m/s)

M-Tag Data Loggers Specification Sheet

Capacity	8,001 real time temperature recordings, non-volatile memory
Sampling Frequency	Configurable from 1 minute to 18 hours
Logging Start Options	Push button start or specific date/time
Recording Indication	Flashing 'OK' indicator / flashing 'ALERT' indicator
Download Time	Typically with full memory (8,001 readings) in less than 20 seconds from time of insertion to availability of PDF report. Typically less than 10 seconds from time of insertion to availability of LTD file in M-Tag software (if configured)
Environmental	IEC 60529: IP64 with USB cap fitted
Power Source	3V Lithium battery- non replaceable
Alarm Functions	High/low, single, consecutive and cumulative alarm events, 'OK'/'ALERT' indicators
Connection Interface	USB 2.0, A-type plug
Software	PDF Reader, Analyzer 2.5 or higher
Battery Life	Shelf life of up to two years before configuration. Six months operating life from the time of configuration.
Size	93 mm (H) x 54.5 mm (W) 8.6 mm (T) including protective USB cap
Weight	32 grams
Case Material	Polycarbonate