

LIDoTT EDM Sensor M



An Adler & Allan company

MCERTS-Certified
Ultrasonic
Level Sensor for
Event Duration
Monitoring



Product Datasheet

LIDoTT EDM Sensor M

**Three sensors. Zero deadband.
Total confidence.**

The LIDoTT EDM Sensor M combines ultrasonic, pressure and temperature sensing in one intelligent platform, delivering continuous, high-accuracy data from near-zero to 10 metres. At its core is a patented switching technology that seamlessly transitions between sensors and eliminates deadband, ensuring uninterrupted measurement at all times. The result is complete confidence in your data across the full range.



Key Features and Benefits

- **Patented seamless sensor switching:** Automatic transition between ultrasonic and pressure sensing eliminates deadband and delivers continuous measurement across the full range
- **Continuous, gap-free data:** No loss of signal between sensing zones, just one stable and reliable output
- **Millimetre-level ultrasonic precision:** High-resolution measurement where accuracy matters most
- **Extended monitoring to 10m:** Integrated pressure sensing enables full-depth capability beyond ultrasonic limits
- **Proven MCERTS-certified performance:** The only sensor to pass MCERTS test procedures for Event Duration Monitoring, delivering trusted, independently validated ultrasonic measurement
- Solar radiation shield available for above-ground installations to maintain certified performance

Technical Specifications

General

Product code	P103-2-EDM
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Ultrasonic Sensor

Type	Piezo-ceramic, temperature compensated
Range	0 to 1.5 m
Accuracy	±2 mm across full range

Pressure Sensor

Type	Isolated silicon diaphragm
Range	0 to 10 m
Accuracy	±0.2 percent FS

Temperature Sensor

Type	High-precision CMOS
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Environmental

Operating temperature	-20°C to +60°C
Protection	IP68 and NEMA 6P
Connectors	IP68 Mil-Spec

Approvals and Compliance

MCERTS Certified

Certificate number	CSA MC240396/00
Certified range	0 to 1.0 m
Certified accuracy ±1 mm	±1 mm
ATEX Zone 0	CML 20ATEX2039X
IECEX Zone 0	IECEX CML 20.0019X
Compliance	II 1 G Ex ia IIB T4 Ga

Physical

Dimensions	196 (h) x 122 (d) x 115 (w) mm
Weight	845 g

Related Products

LIDoTT Smart Datalogger
Integrates seamlessly for real-time data collection and reporting.



Marco Polo Antenna
Enhances data transmission reliability in remote or low-signal areas.



Solar Radiation Shield
(Part No: LIDoTT-SRS-654):
Required for outdoor deployments to protect against solar radiation.

External Replaceable Battery
Provides extended operational life, reducing maintenance needs.



Other Sensors within the LIDoTT Range

LIDoTT Sensor R
Extended range for remote level monitoring



