

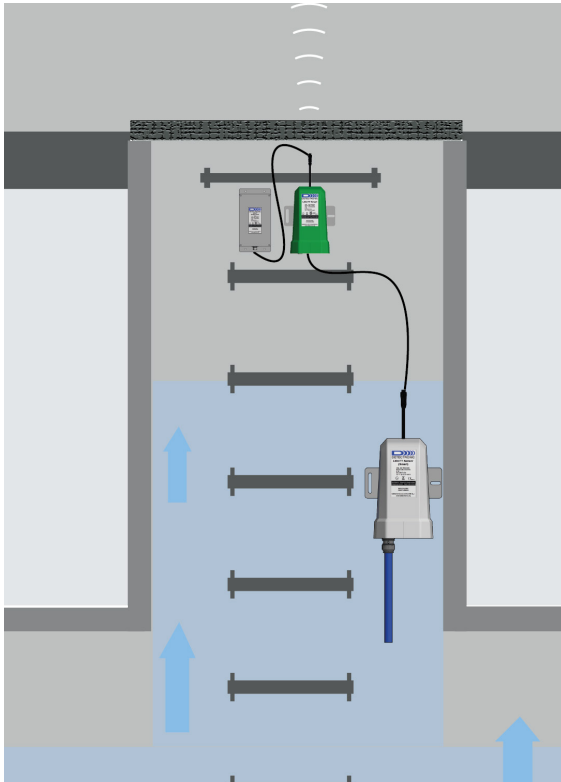


LIDoTT[®] Smart

INTRINSICALLY SAFE DATALOGGER

LIDoTT® Smart is an intrinsically safe, compact datalogger with 4G NB-IoT modem, internal antenna and up to 7 years battery life.

Designed as a low cost, battery powered fit and forget device, the LIDoTT® Smart datalogger is **ATEX and IECEx certified to Zone 0**. Engineered specifically for wastewater applications it is suitable for use in harsh and hazardous environments and remote locations.



ENGINEERED FOR EFFICIENCY

Set up is simple using the LIDoTT® mobile Bluetooth app.

The external lithium battery pack has a 7 year life, can be easily changed and is ideal for long term monitoring projects.

An optional external antenna is available to enhance signal strength in areas where network signals are poor.

The device has an integrated bracket for easy installation.

MAINTENANCE FREE AND WATERTIGHT

The enclosure is moulded from a carefully selected, resilient, naturally self-cleaning plastic polymer. It contains no moving parts, is routine maintenance free and is fully submersible.

REMOTE PROGRAMMING

Once installed, firmware can be updated and settings can be changed remotely, preventing expensive and time consuming site visits and ensuring the LIDoTT® Smart is always updated quickly and efficiently.



DATA COMMUNICATIONS

The LIDoTT® Smart datalogger communicates over 2G and 4G (LTE-M and NB-IoT) and will automatically connect to the strongest available network.

The Data logging rate can be set to 2, 5, 10 or 15 minutes.

Data transmission can be set to daily or more frequently, including a windowed send option. This means that during an event we can increase the comms frequency and then once the event passes the comms can revert back to normal.

It also means that a window period can also be set permanently, for example, if something always happens at a given time transmission can be set for that period also.

Data from LIDoTT® Smart is sent to the DetecAnalytics platform.

PRODUCT SPECIFICATION

Memory: 64MiB
Programming interval: 2,5,10,15 minutes
Transmission frequency: 5min-24hrs
Communications: 2G and 4G (LTE-M andNB-IoT)
Power supply: 7 years (using user replaceable external battery pack)

ENVIRONMENTAL

Operating temperature: -20°C to +60°C.
Protection: IP68/NEMA6P.
Connectors: IP68 Mil - Spec.

Dimensions and weights:
Datalogger: 196mm(h) x 122mm(d) x 115mm(w)

975g (weight)
Battery pack: 198mm(h) x 66mm(d) x 120mm(w)
950g (weight)

APPROVALS

ATEX Zone 0 certified CML 21ATEX2097X
IECEX Zone 0 certified IECEX CML 21.0002X
II 1 G, Ex ia IIB T4 Ga. Ta= -20°C to +60°C

UK and Worldwide patents pending

RELATED DATASHEETS

LIDoTT Sensor - MMS D049
DetecAnalytics - MMS B009
LIDoTT Smart System - MMS D053

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