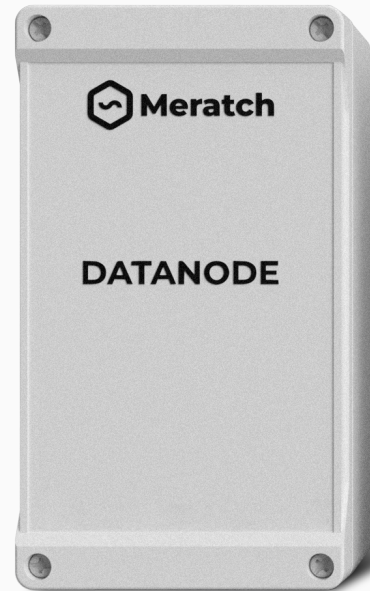
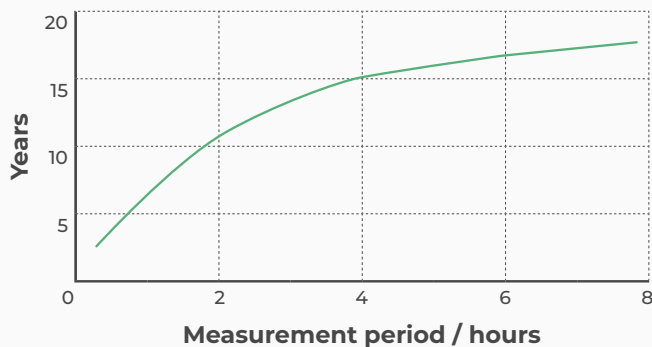


**Datasheet**

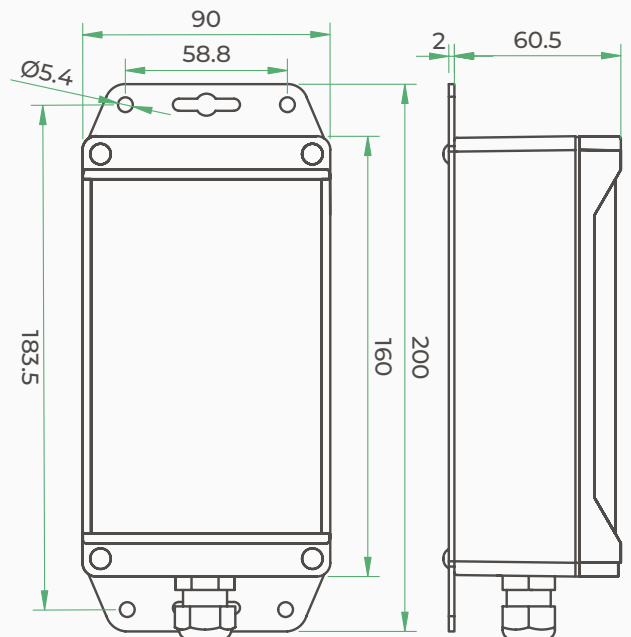
# Datanode

IoT data logger ensures continuous data collection in mission-critical environments.

Parameter	Value
<b>Connectivity</b>	NB-IoT, LTE Cat-M, NTN Satellite, 2G fallback, LoRaWAN
<b>Protection</b>	IP67
<b>Power supply</b>	D-battery or 18650 rechargeable + solar charging
<b>Autonomy</b>	≥5 years (1h measurement interval, D-battery)
<b>Operating temperature</b>	-20 °C to +75 °C
<b>Inputs</b>	1× RS-485, 1× digital pulse counter
<b>Local interfaces</b>	Bluetooth LE 5.2, USB-C
<b>Internal storage</b>	≥8 MB Flash (>500k records, 10-year lifetime)
<b>Relay output</b>	OptoMOS, 60 V/300 mA max, galvanically isolated
<b>Data security</b>	OTA firmware upgrade (NB-IoT, 2G, LoRaWAN, BLE)


**Battery lifetime\***


\* Valid for LoRaWAN and NB-IoT. Measurement period equals data send period.



Dimensions in mm.

# Datanode



## Easy Setup & Robust

IP67, install in 20 mins.



## Data Integrity

High quality electronics, advanced data quality control.



## Redundant Communication

NB-IoT, LTE Cat-M, NTN Satellite (BG95-S5), 2G fallback, LoRaWAN.



## Friendly App

Alerts, data interpretation. Easy installation and operation.

- ~ Low power consumption. Lifetime up to 10 years.
- ~ Multiple mounting options via adapter.
- ~ Maintenance-free.
- ~ Deployable anywhere in the world.



## Use cases



Flood warning systems



Sewage & wastewater monitoring



Environmental sensing



Energy metering



Remote industrial monitoring and control



Any IoT application



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