NETHIX

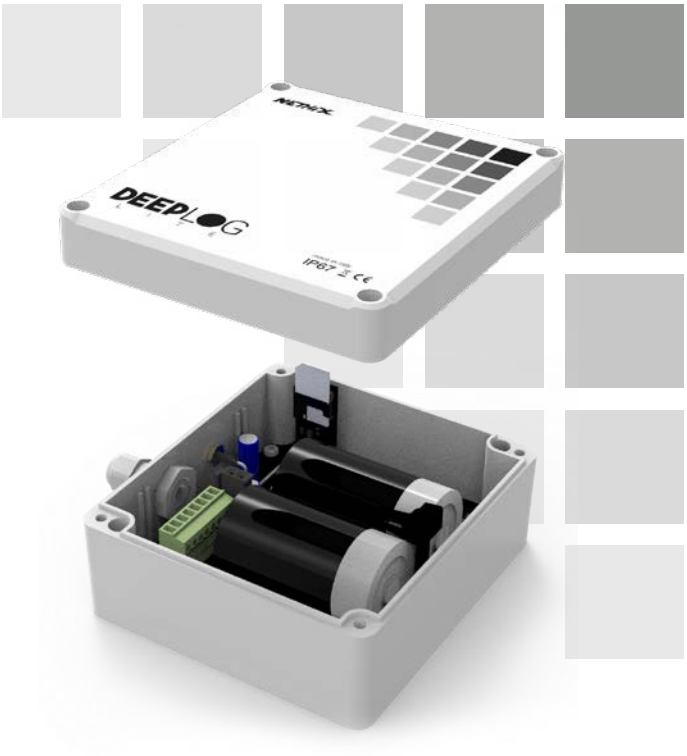
DEEPLOG

LITE

Battery powered remote datalogger

Model LTE | Model LoRa

DeepLog LITE is a compact and stand-alone device, designed for the monitoring of unattended plants and ideal for outdoor applications.



Removable battery
For an easy replacement

Two models
LTE or LoRa connectivity

Robust
IP67 protection rate

Data delivery to Cloud
Constant supervision of the plant

Comprehensive monitoring for any requirement

DeepLog LITE is designed for data collection in remote location and adverse environmental conditions.The guaranteed autonomy of the integrated battery pack allows the device to work without connection to the power supply network.

The device works in low power mode and wakes up only for executing the data collection and delivery according to the configuration made by the user.

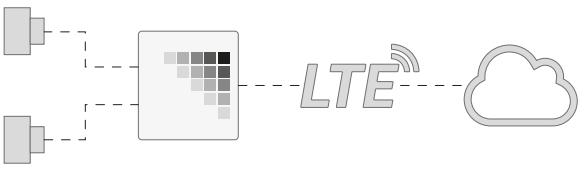
Data collection and delivery

Model LTE

The LTE device acquires signals from the cabled sensors and forwards them thanks to the connection granted by the integrated LTE modem and the SIM (not included).

On request is available the Modbus option for the collection of data from third party devices.

Data can be delivered to DeepLog Cloud or any other IoT platform using standard protocols such as MQTT/S, HTTP/S and FTP/S (on request).

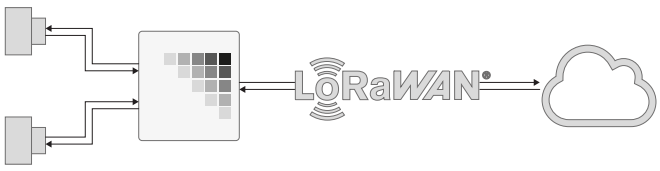


Model LoRa

The LoRa device acquires signals from cabled sensors and forwards them via LoraWAN to the network gateway.

Immediately after the transmission the device opens a window in order to receive in-coming data packs, allowing the activation of the available digital outputs.

This makes DeepLog LITE a bidirectional hub, that meets user's needs and interacts with automation systems or dedicated cloud platforms.



Easy to set up

DeepLog LITE can be easily configured in two different ways:

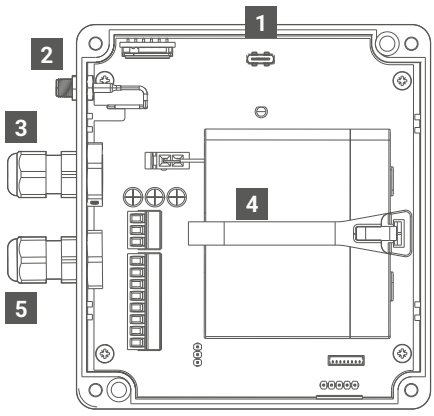
- Using the on-line Wizard (free of charge), that allows to configure all necessary parameters and to download a configuration file to be then uploaded via USB-C on the device.

- Using the App, that allows to set up the device very easily and to transfer the parameters via NFC, just holding the smartphone close to the device.

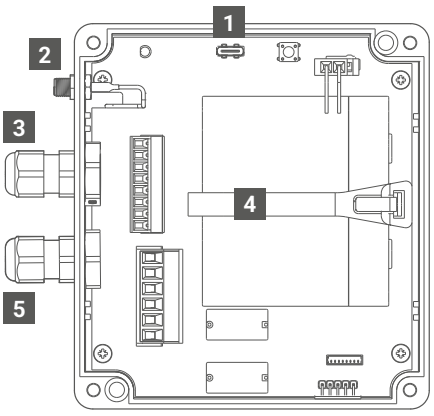
On the LTE model, once associated the device with an IoT platform, it's also possible to change the configuration remotely, using protocols as HTTP and MQTT.

Technical specifications

	Model LTE	Model LoRa
Power supply	battery (replaceable) 7.2 VDC / 19 Ah - Li-SOcl$_2$	battery (replaceable) 7.2 VDC / 19 Ah - Li-SOcl$_2$
Communication	Modem LTE NFC	LoRa NFC
Supported protocols	HTTP / HTTPS / MQTT / MQTTS *Optionals: FTP / FTPS*	LoRaWAN Class A
Input / Output	3 independent analog inputs 0-5 V / 0-10 V / 0-20 mA / 4-20 mA (active or passive) 3 configurable dry contact digital inputs	3 independent analog inputs 0-5 V / 0-10 V / 0-20 mA / 4-20 mA (active or passive) 3 configurable dry contact digital inputs 2 bistable outputs 250 VAC @ 5 A
Sensors power supply	12 VDC @ 50 mA	12 VDC @ 50 mA
Ports	USB-C for configuration *Optional: RS485 for Modbus*	USB-C for configuration
Data acquisition	from once a minute up to once every 24 hours	-
Data delivery	from once every 15 minutes up to once every 24 hours	from once a minute up to once every 24 hours
Protection class	IP67	IP67
Working temperature	-40 °C +70 °C	-40 °C +70 °C
Storage temperature	-40 °C +85 °C	-40 °C +85 °C



1	USB-C connector
2	LTE antenna connector
3	*RS485 cables (optional)*
4	Replaceable battery pack
5	AI/DI cables



1	USB-C connector
2	LoRa antenna connector
3	AI/DI cables
4	Replaceable battery pack
5	Bistable outputs cables

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