

ESG-LOGGER-NRJ[®]

TRACKING ELECTRICITY CONSUMPTION



USE CASE



Consumption distribution

Measuring the consumption of each energy plant in your industrial facilities. Identification of large consumption items.

123 Counting

Simple and wiring-free consumption monitoring. Plug'n Play solution that allows use in a variety of locations.



Preventive maintenance

Monitoring your electrical production facilities. Making a consumption template. Anticipation of over-consumption and breakdowns.

PRODUCT HIGHLIGHTS

AUTONOMOUS AND WIRELESS

ESG-Logger's batteries allow it to be installed anywhere without worrying about wiring, indoor and outdoor. Its magnet installation is simple, fast and automatic.

SET AS YOU WISH

The setting of the ESG-Logger can be adjusted as required, locally or remotely.

IDENTIFICATION BY LED

A bi-color LED allows you to know the condition of the product, facilitates its installation and alerts you in case of an anomaly.

OPTIMIZED ALGORITHM for more than 5 years of battery life depending on the use case.

TIME-STAMPING AND DATALOGGING OF EVENTS (+3000)

REPLACEABLE BATTERY

OPTIONS AVAILABLE :

- Current Torus: 90A or 300A,
- Antenna deported to free itself from radio propagation problems in electrical cabinets,
- Specific sensor on demand,
- Customization on request:
 - Case color and labeling,
 - Specific business features.

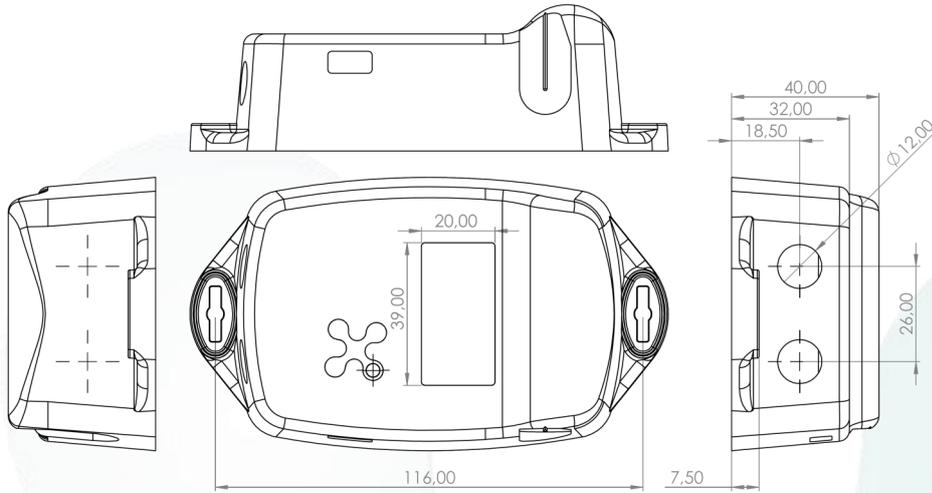
CLOVER-NET TECHNOLOGY



Real-time two-way communication protocol to facilitate the installation and setting of sensors, collection of time-stamped data, automatic inventories, OTA updates...

SPECIFICATIONS

Mechanical specificities



Fastening system

Screw
 Magnet (optional)
 Glue

Certifications

CE, EN 300-220
 ATEX (optional certifiable)

Accessories

TC 90A - cable 1m
 TC 300A - cable 2m

Physical characteristics

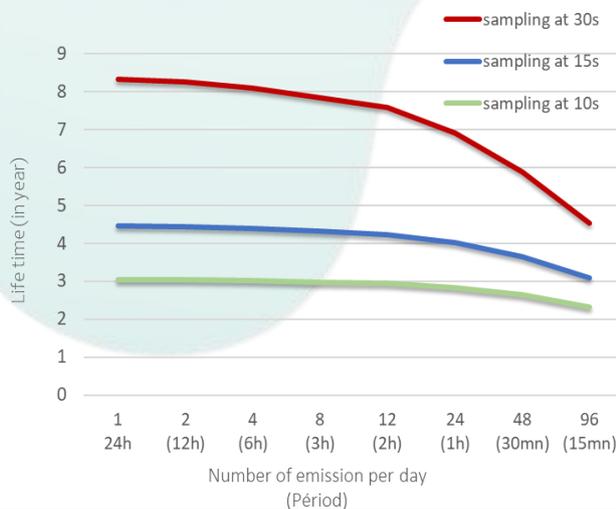
Battery	Lithium 2 x 3.6Ah replaceable
Material	ABS PC V0 UL94
Weight	Box: 260 g
	TC 90A : 80 g TC 300A : 170 g
IP index	IP54 or IP66 (optional)
IK index	IK08
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 80°C
Humidity	< 95% without condensation

Communication

LoRaWAN	Class A
	EU868, 915US, AU915, AS923
	Private and public networks
	OTAA and ABP
	Power transmission : 14dBm (EU) to 20dBm max
	Operator compatible : Objenious, Orange ...
	Network core providers : Actility, Orbiswise, TTN, Lorient ...
SigFox (option)	RC1, RC2, RC4
CloverNet	Broadcast, multicast, point-to-point

! CAUTION: THIS PRODUCT USES LITHIUM BATTERY.
 FOR YOUR SAFETY, PLEASE CHECK OUR WEBSITE.

Battery life



Use case

1P+N current measurement
 Communication in SF12

Data transmitted

Current measurements and voltages
 Time-recorded measurements
 Values Min / Max / average
 Alarm in case of change of status or exceeding the threshold
 History with time stamp
 Activity data (battery, etc.)
 Setting up by Downlink

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