

ESG-Logger-LC®

CONNECTED WEIGHING PLATE

LoRaWAN™



Weight control is away to improve organization, whether for conformity control of an item or a part, automated inventory management or process status. Logger-LC addresses this problem with an incredible flexibility by operating without any cable and being set up very easily.

USED CASE



STOCK CONTROL

Lock of stock of an item in a production or maintenance organization can lead to production stoppages or material downtime. Real-time monitoring of yours stock level solves this risk and enables better planning. Critical stock level information allows to generate automatic restocking calls.



KITTING MANAGEMENT

When preparing a kit of materials or accessories, handling errors are common. Weight control can come in addition to validate each item and the global weight of the preparation. These automated controls bring a complementary validation.



IDENTIFICATION OF STOCK MOVEMENTS

Our Logger-LC integrates an alert on a weight deviation measurement allowing to inform in real time of any stock movement. This real-time measurement can be coupled with Pick-to-light function, available in order, to guide the logistics operators in their order picking mission.

PRODUCT HIGHLIGHTS

MULTIPLE OPERATING MODES

Logger-LC has two operating modes, either a configurable periodic measurement and transmission, or a weight variation measurement with transmission in case of deviation following a configurable threshold. Operating mode can be modified through configuration, done locally or remotely. A light indicator can visually signal a critical stock threshold reached.

OPTIMIZED ALGORITHM integrating a taring and calibration process with an auto-calibration in temperature.

TIME-STAMPING AND DATA LOGGING of events (+4000)

REPLACEABLE BATTERY

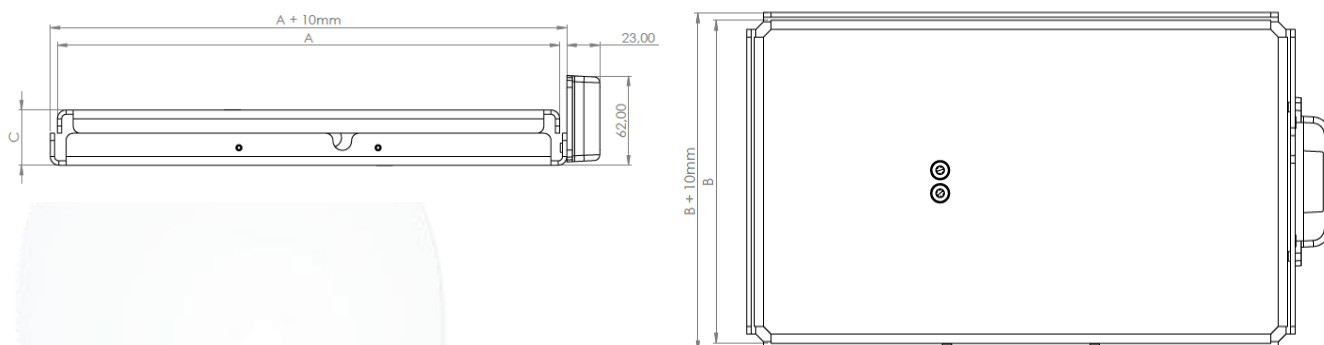


CLOVER-NET TECHNOLOGY

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

Spécifications

Mechanical specificities



Reference	A	B	C	Weight	Maxi. weight	Measurement accuracy
ESG-INO-LC015S-X89-510	350 mm	210 mm	38 mm	4,5 kg	15 kg	± 10 gr
ESG-INO-LC015L-X89-510	500 mm	310 mm	38 mm	8,5 kg	15 kg	± 10 gr
ESG-INO-LC050S-X89-510	350 mm	210 mm	38 mm	4,5 kg	50 kg	± 50 gr
ESG-INO-LC050L-X89-510	500 mm	310 mm	38 mm	8,5 kg	50 kg	± 50 gr

Physical Characteristics

Material	Galvanized steel
IP index	IP54
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 Network
	OTAA and ABP
	Power transmission: 14dBm (EU) to 20dBm max

CloverNet

Data transmitted

Measurement data: Weight in grams, temperature indicator, motion detection

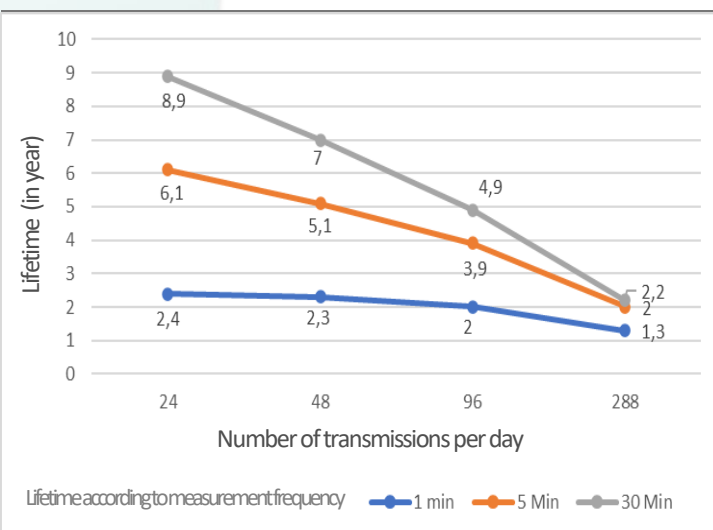
Activity data ((Number of measurements, battery status, movement indicator, etc.)

Parameterization by Downlink and/or by Clover-Net

Power supply

Battery ER 18505 Lithium 3.6Ah

Battery life example



Use case

1 frame of life every 24 hours

Communication LoRaWAN in SF9

Certifications

CE, EN 300-220



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

INEO-SENSE

125 Rue de L'hostellerie,
Immeuble ELLIPSIS, Niv 4 Porte 12
30 900 Nîmes — France

Phone : +33 466 276 495
Web : www.ineo-sense.com
contact@ineo-sense.com

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