



# METERING NODE

## LORAWAN



IOT FACTORY

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MODBUS (RTU)	4-20mA	Analog	Digital	Pulse
Open Drain Out	Output 12V	Battery	Ext 12-24V DC	Ext 230V AC

The most complete LORAWAN / NB-IOT sensor on the market, combining multiple inputs/outputs, conditional triggers, and several power sources (battery, 220V AC, 12-24DC, solar panels).

Its IP67 case allows it to be installed outdoors. Its external antenna ensures optimal LORAWAN communication.



## MULTIPLE IOS

The Metering Node supports many interfaces, all of which can be combined, generate sending messages, even in some cases generate alerts or activate the Open Dry output port.

## EDGE FEATURES

The Open Drain Output port can be activated based on the result of a measurement taken on one of the incoming interfaces. It is also possible to supply an external probe (12V) before launching a reading of the probe.

## MULTIPLE POWER OPTIONS

The Metering Node can operate on battery power, on 12-24V DC power supply, on main power supply (220-230V AC) or using solar panels. A rechargeable battery keeps the Metering Node in operation in the event of a temporary outage of an external source of electricity.

## (OPTIONAL) CT CLAMPS

An additional module makes it possible to connect 3 current converters (CT) allowing the measurement of three-phase current (or 3x 1 phase) up to 200A per phase.

Enclosure and Dimensions	
Material	Waterproof ABS Plastic
Ingress Level	IP67
Dimensions	140 x 115 x 40 mm
Weight	300gr
Operating Cond.	T: -40° / +85°C. RH: 0-100%
Power	
Battery	2 x Li-Ion, CR123A
Input Voltage	12-24V DC – 85-305V AC
Backup battery	3V – 130 mAh
Configuration	Bluetooth. Android Mobile App
LORAWAN version - LORAWAN 1.0.3 Class A	
Frequencies	EU868, US915, AS 923, RU868
Max Power/Sens.	16 dBm / -137 dBm.
Antenna	Extern.

Interfaces	
RS485	MODBUS
4-20 mA	1
Dig. Inputs/Pulse	2
Analog Input	1
Open Drain Out	1. Switching current up to 1 A
Output 12V	Power external sensor
NB-IOT version (cat. NB2)	
Freq Bands	B1, B3, B5, B8, B20, B28
Max Power	23 dBm
Sensitivity	-129 dBm.
Antenna	Extern.
SIM Card	Micro
Protocols	MQTT/CoAP/Non-IP