

CURRENT METER – ATRS0037

Overview

ATRS0037 Current Meter is a long range wireless sensor which can be used for monitoring current usages. This sensor is fully compatible with LoRaWAN technology. The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase). **Please remember to choose your current transformer on Page 2 . You will have 1(one) current transformer with your order.**

Key Features

- Real plug & play
- Easy to mount & install
- Compatible with LoRaWAN™ specification
- Maintenance free – install & forget
- Secure communication
- Ultra Low Power Consumption
- Certifications: LoRaWAN™, CE



Communication Specs

- The sensor uses Low Power Wide Area Network-LPWAN technology(LoRa) for connectivity
- Compliant with AS923, AU915, EU868, KR920, IN865 or US915 MHz ISM bands
- Low power consumption
- Long range wireless data transmission(upto 15km)
- Antenna Types: Internal(default) or External(depend on request) Antenna
- Radio Performance : Upto +14 dBm TX power and -137 dBm RX sensitivity

Mechanics

- Housing: ABS
- Dimensions: 65 x 55 x 27 mm
- Operating temperature: -40°C to +85°C

Data Security

- AES-128

Power Supply

- AA Battery 3.6 V Li-SOCl₂-Saft LS 14500 (Standard 1 piece)

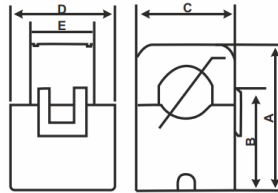
Indicators

- RGB Status LED (on board)

Sensor Specifications

Max Current : Please choose your current transformer: 75, 150, 300 or 600
 Data Transmission Period : 15 minutes(default)

The ENS.CCT series **Split-Core** current transformers enable mounting without any need of cutting energy and stopping on-going processes with its hinged clip.



- 4 different models from 75 A to 600A
- Small size
- High precision
- Easy mounting

Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Ø d (mm)
ATRS0058	40.5	28.6	22	26	14.5	10
ATRS0059	75	50	45	35	19.5	24
ATRS0060	75	50	45	35	19.5	24
ATRS0061	91.6	62	57.4	40.9	22.8	36

Small size transformers provide solutions even in the narrowest panels.



Certifications & Reliability

- LoRaWAN™ Certified
- CE
- EN 62479
- EN60950
- EN 301 489-1
- EN 301 489-17
- EN 300 328

Applications

- Current Monitoring
- Power Loss Detection