

# 3 PHASE CURRENT METER

## Overview

NETOP 3 Phase Current Meter is a long range wireless sensor which can be used for monitoring current usages. This sensor is fully compatible with LPWAN technology by using NB-IoT(Narrowband-IoT). 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 3 current transformers with your order.*

## Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Excellent Extended Range in Buildings and Underground
- Easy deployment utilizing cellular system
- Micro SIM(default) or Chip SIM Card(depend on request)
- Ultra Low Power Consumption
- Certifications: CE, RoHS



## Communication Specs

- The sensor uses LPWAN technology; Narrow Band IoT (NB-IoT) for connectivity
- Supported bands including B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B26/ B28
- Internet Protocol Feature: Support IPv4/TCP/UDP
- Full duplex communication
- Extended Coverage: 10-15km with 164 dB maximum coupling loss (MCL)
- Antenna Types: Internal(default) or External(depend on request) Antenna

## 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-SOCI2-Saft LS 14500 (Standard 1 piece)

## Indicators

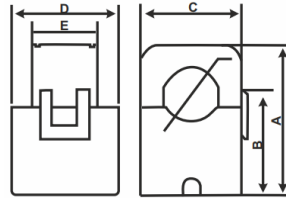
- RGB Status LED (on board)

## 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)
NTP-CCT-75	40.5	28.6	22	26	14.5	10
NTP-CCT-150	75	50	45	35	19.5	24
NTP-CCT-300	75	50	45	35	19.5	24
NTP-CCT-600	91.6	62	57.4	40.9	22.8	36

*Small size transformers provide solutions even in the narrowest panels.*



## Certifications & Reliability

- CE
- EN 62479 and EN60950
- EN 301 489-1 and EN 301 489-17
- EN 300 328

## Applications

- Current Monitoring
- Power Loss Detection