



CT METER

The primary role of these CTs is to detect and quantify the current flowing through a device. By doing so, they can offer invaluable insights into the device's power consumption, operational health, and efficiency. Once the CT detects the current, it transforms this data into a format that can be safely and conveniently sent back to a centralized system, referred to as the "gateway" in this context. The gateway acts as a hub, collecting data from multiple CTs or other sensors.



CORE FEATURES



**MAGNETIC BASE FOR
EASY ATTACHMENT**



**5 MIN DATA - 5 YEAR LIFESPAN
15 MIN DATA - 2 YEAR LIFESPAN**



THREE PHASE METER



CLAMP-ON TRANSFORMER

*We offer 3 versions of CT Meters:
75A, 250A, 630A*





ELECTRIC

Input Power	2 x 3.6V ER14505 AA Size lithium batteries (3.6V2400mah/section)
Standby Current	25 uA
Receiving Current (Max)	11 mA @3.3V
Transmitting Current	127 mA/3.3V
Battery Measurement Accuracy	±0.1V
Pulse Resolution	>50 mA
Current Measurement Range	630 A CT: 10 A to 630 A 250 A CT: 1 A to 250 A 75 A CT: 100 mA to 75 A <i>No data will be detected if current is less than the minimum rating.</i>

FREQUENCY

Frequency Range	928 MHz
TX Power	US915 20dbm
Receiving Sensitivity	-136dBm (LoRa, Spreading Factor=12, Bit Rate=293bps) -121dBm (FSK, Frequency deviation=5kHz, Bit Rate=1.2kbps)
Antenna Type	Built-in antenna
Range	Up to 10km in an unobstructed space
Data Transfer Rate	LoRa: 0.3kbps~50kbps FSK: 1.2kbps~300kbps
Modulation	LoRa/FSK (You choose one)
Supportable LoRaWAN Band	US902-928





PHYSICAL

Dimensions (LxWxH)	Host body: 112 x 88.19 x 32 mm Sensor: 84.8 x 40.8 x 48mm
Weight	141 g
Sensor Weight	About 365.4 x 3 g
Sensor External Wiring Length	~900 mm
Environmental Temperature Range	-20°C to 55°C
Storage Temperature Range	-40°C to 85°C
Environmental Humidity Range	<90% RH (No Condensation)
Mounting	Screw / Magnet

