

dataTrack™ CT Meter

The **CT Meter** is used to gather electricity current (amperage) measurement from machines with a simple clip-on sensor. The data is sent via Long Range (LoRa) radio frequency to the hub. See the data on your consumption and cost, all live on the portal



Calculated Consumption
Data is translated into kilowatts and cost for your visualization.



Fitting Your Needs
Varying sizes available, tailored to your machines and needs.

KEY FEATURES

- Battery powered - no power supply required
- Easy installation with simple clip-on CTs
- 3 standard sizes are available, with options of a larger split core as required
- 75A (100mA – 75A) 250A (1A – 250A) 630A (10A – 630A)
- Variance of +/- 1% accuracy



dataTrack™ CT Meter Spec Sheet



ELECTRICITY

- Input Power 2x3.6VER14505 AA Size lithium batteries (3.6V2400mah/section)
- Standby Current 25uA
- Receiving Current (max) 11mA @3.3V
- Transmitting Current (Max) 127mA/3.3V
- Battery Measurement Accuracy ±0.1V
- Current Resolution
- Current Measurement Range 1mA
10A to 630A(depending on the current transformer configuration)

FREQUENCY

- Frequency Range 928MHz
- 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
- Communication Distance Up to 10 km (visible linear obstacle-free transmission distance, actual transmission distance depends on the environment)
- Data Transfer Rate LoRa: 0.3kbps~50kbps. FSK: 1.2kbps~300kbps
- Modulation LoRa/FSK (Note: You can choose one of them)
- Supportable LoRaWAN Band US902-928

PHYSICAL

- Main Body Dimension Host body: L: 112 mm *W: 88.19 mm *H: 32 mm Sensor: H:84.8*L:40.8*W:48mm
- Host Body Weight apx 141g
- Sensor Weight apx 365.4g
- Sensor External Wiring Length apx 900mm
- Environment Temperature Range -20C~ 55C
- Storage Temperature Range -40C~ 85C
- Environmental Humidity Range <90%RH (No condensation)
- Mounting Screw / Magnet

