



Neuron Ampere 500A

Neuron Ampere 500 A measures AC current up to 500A RMS. The sensor comes with split core and are therefore easy to install on existing power cables. Integrated battery ensures up to 10 years of battery life. All measurements are easily accessible from web, app or API.

The sensor transmits data to your nearby Neuron Gateway which then again communicates with the Neuron Cloud. Continuous measurement and instant alarm. Duplex communication enables adjustment of parameters such as measuring frequency.

Alarm levels are easy to set in the app and alerts can be received as push notification, E-mails or SMS. QR-code on the sensor ensures easy and accurate registration in the app.

Typical Applications

- Motors
- Fans
- Pumps

Advantages

- 👁️ **Wireless sensor with integrated battery**
- 👁️ **Immediate notice in case of anomalies**
- 👁️ **Quick installation**
- 👁️ **Operates 10 years on integrated battery**
- 👁️ **Robust technology for demanding environment**

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Specifications

Part Numbers	422353
Measuring Range (standard)	500A
Resolution	5A
Accuracy	2,00%
Overload Capability	150%
Measuring Frequency	Every 3 sec.
Report Frequency	Reports every 2 min. Or immediately if trigger for critical data transmission is reached, see below
Trigger for critical data transmission	20% change in measurement
Operating Frequency	868 - 870 MHz
Battery Type	Li-SOCI2 (3.6V)
Operating Time*	Up to 10 Years
IP Grade	IP40
Operating Temperature Range	-20 - 50 °C
Max Cable Diameter	Ø 36mm
Dimensions LxWxH	91x57x41mm

*Depends on measurement frequency, amount of critical data transmissions and ambient temperature