



Features

Real-time energy data collection,
±1% accuracy

WiFi or Modbus communication

Quick and easy installation

Home Energy Monitoring Kit

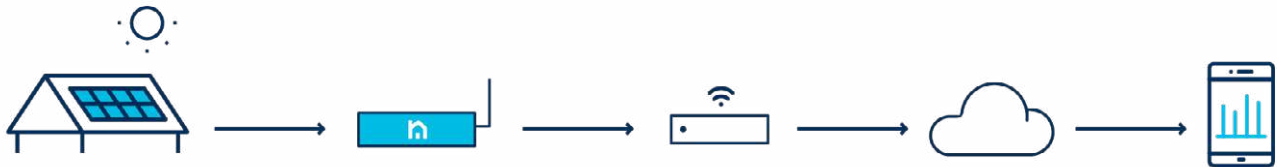
Model: W1-HEM

The Neuroio Home Energy Monitor Kit provides highly accurate, granular real-time consumption and generation power data for a home. The data is transmitted to the Neuroio Cloud or to a third party cloud service using the homeowner's WiFi network or through the Modbus port. The Neuroio Home Energy Monitor Kit can also be configured to support sub-metering of specific loads within a panel. Each kit includes a meter and two current transformers.

What's in the box

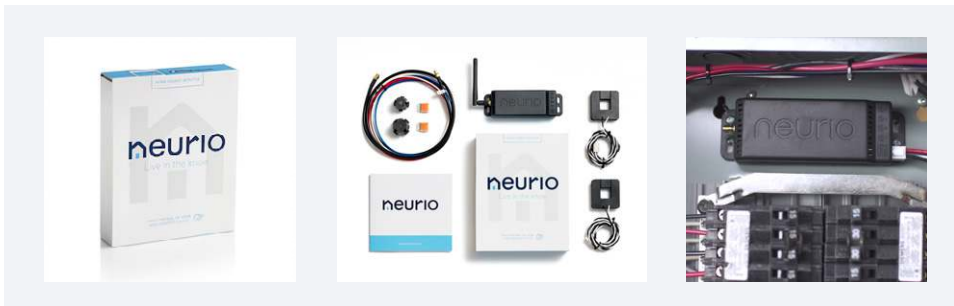
✓ 1x Meter ✓ 2x Current Transformer ✓ 1x Voltage Wire ✓ 1x Antenna ✓ Installation Hardware ✓ Installation Guide

How it Works



Compatibility

The Neuroio Home Energy Monitor Kit is compatible with most North American and European residential electrical panels. Add Current Transformer Extenders (CTE-10) to lengthen the leads as needed.



*Specifications subject to change without notice.

Specifications

Meter

Model: W1

Accuracy	±1% of reading from 2A-264A
Resolutions	1W Power, 1Wh Energy
Power Consumption	<2W
Measurements	Real Power, Reactive Power, Energy Imported/Exported, RMS Current, RMS Voltage, Line Frequency
Radio Standard	Wi-Fi, 802.11b/g/n
Radio Operating Frequency	2.4 GHz
Radio Transmit Power	+19dBm
Receive Sensitivity	+97dBm
Wired Connectivity	1x RS-485 (optional)

Bandwidth	< 1GB (monthly)
Current Compatibility	120/208/240V 50/60 Hz 1/2/3 Phase (Wye only)
Power Source	120/208/240V, hardwired
Meter Dimensions (L,W,H)	5.6" x 1.9" x 1.3"
Operating Temperature	32°F to 149°F
Certifications	UL/CSA 61010-1, FCC, IC, ETSI, AS/NZS
Meter Weight	0.36 lbs
Warranty	1 Year

Current Transformer

Model: Split-Core CT

Voltage	110-240 VAC
Frequency	50/60 Hz
Max Primary Current	264 A
Accuracy	±1% of reading from 2A-264A
CT Dimensions (L,W,H)	2.26" x 2.03" x 0.47"

Window Size	0.75"
Wire Length	4'
Built-in Protection Diode	Yes
Warranty	1 Year
Operating Temperature	32°F to 149°F

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