

# EG4115 Data Logger

## EG4115 Core - 15 Input Meter Data Logger

The EG4115 Core is a 15-channel energy meter with 0.5% revenue-grade accuracy compliance and the ability to measure residential or commercial circuit panels, up to 3-phase 277/480VAC and 6900A. The meter has HomePlug AV powerline communication, an Ethernet port, and 2 USB ports for additional options, like WiFi. The embedded web server lets you connect to the interface over the internet or on a local area network. Each unit has a data logger that stores up to 64 data points for the lifetime of the hardware, and you can access data as granular as 1-second averages for the most recent hour of recording. The EG4115 Core is an accurate and flexible solution for monitoring multiple circuits in any residential or commercial energy monitoring application.



### Supported Measurements:

AC Current, AC Voltage, Amps (A), Kilowatt Hours (kWh), Kilowatts (kW), Volt-Amp Reactive, Volt-Amp Reactive hour, Watt Hours (Wh) and Watts (W)

### Key Advantages:

- 15 sensor inputs
- Supports wide range of current transformers (CTs) to accommodate virtually any size load
- Built-in web server and graphical monitoring software
- Custom views and alerts; CSV exports of granular data
- Fully web-configurable
- Built-in solid-state memory
- No service contracts
- No batteries



## EG4115 Data Logger Specifications

### Measurement

<b>AC Voltage:</b>	L1: 85-277 Vrms L2: 0-277 Vrms L3: 0-277 Vrms
<b>DC Voltage:</b>	42 Vrms Power: 9-60 Vdc Measurement: +/-60 Vdc
<b>Current:</b>	15 channels 5-6900A max per channel Fully isolated inputs
<b>Frequency:</b>	50 or 60 Hz
<b>Logging Values:</b>	V, A, W, Wh, Hz, VA, VAr, THD, deg
<b>Power Draw:</b>	12W max, 2W typical

### Environmental

<b>Op. Temperature:</b>	-30 to 70 deg C (-22 to 158 F)
<b>Max Altitude:</b>	4000m (13,123ft)
<b>Max Humidity:</b>	80% up to 31 deg C
<b>Meas. Category:</b>	Overvoltage Category III
<b>Location:</b>	Open type indoor device
<b>Pollution Degree:</b>	2

### Data Logger Capacity

<b>Register Count:</b>	64 (data storage points)
<b>Granularity:</b>	1 hour/1 second
<b>(duration/avg)</b>	1 year/1 minute 10 yrs/15 minute Device Lifetime/1 Day

### Safety and Regulatory

<b>Safety:</b>	IEC/UL 61010-1 Ed. 3.0 B:2010
<b>CE:</b>	IEC 61000-6-1 Ed. 3.0 B:2016 IEC 61000-6-3 Ed. 2.1 B:2011
<b>FCC:</b>	FCC Title 47 CFR Part 15-Subpart B Class B ICES-003 Information Technology Equipment Class B

### Communication

<b>Homeplug AV:</b>	Compatible with Homeplug AV-adapter within ~100ft. on same phase as L1
<b>Ethernet:</b>	IEEE 802.3 - LAN

### User Interface

<b>Compatible Browsers:</b> (Only up-to-date versions supported)	Google Chrome Firefox Safari Internet Explorer
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### Enclosure

<b>Material:</b>	FRABS
<b>Dimensions:</b>	17 x 8 x 4.6cm (6.7 x 3.15 x 1.81in)
<b>Weight:</b>	300g (0.66lbs)
<b>Warranty Standard:</b>	2 years