



## 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

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

### Environmental

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

### Data Logger Capacity

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

### Safety and Regulatory

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

### Communication

Homeplug AV:	Compatible with Homeplug AV-adaptor within ~100ft. on same phase as L1
Ethernet:	IEEE 802.3 - LAN

### User Interface

Compatible Browsers: (Only up-to-date versions supported)	Google Chrome
	Firefox
	Safari
	Internet Explorer

### Enclosure

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