



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
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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

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- ▶ Email sales@onsetcomp.com
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-800-564-4377
- ▶ Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)

- ▶ Contact Product Support www.onsetcomp.com/support/contact
- ▶ Call 1-508-759-9500
- ▶ In U.S. toll free 1-877-564-4377

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