

Meter: eGauge Core and Pro with WiFi

[Visit the online store page \(EG4215 or EG4230\)](#)

Model: EG42xx

The EG42xx meter series contain embedded WiFi. Normally, the meter connects to a WiFi network to provide network and internet access. However, the meter can also temporarily act as an access point to allow a computer or mobile device to easily connect to it for initial setup or data access.

Both 15-port (EG4215) and 30-port (EG4230) versions are available.

See the [eGauge Meter Comparison Chart](#) for full side-by-side comparisons.

eGauge meters combines an energy meter, data logger, and a web server. This powerful combination lets you measure, store and retrieve data directly from the device or from a remote location. Not only does it calculate power (V, A, VAr, kWh, etc), but also data from optional sensors that assess flow rate, temperature, wind speed, and more. You can view historical and live data for up to 30 years with the unit's convenient user interface (UI). The UI can be accessed on a local network or via the internet from a computer, tablet, or smartphone. Once connected, you have access to real-time values, long-term reports, an interactive graphical interface, and many other tools. The best part is that you pay nothing for the user interface because you retrieve data directly from your own eGauge hardware, not a cloud or 3rd party host.



eGauge Core WiFi



eGauge Pro WiFi

Specifications

[EG4215 Full specs \(data-sheet PDF\)](#)

[EG4230 Full specs \(data-sheet PDF\)](#)

Measurements & Operation

- AC Voltage: $\leq 277V$ L-N, $\leq 480V$ L-L
- DC Voltage: ± 60 Vdc (+9 Vdc minimum to power)
- Frequency: 50Hz or 60Hz
- Power Draw: 12W max, 2W typical
- Accuracy: ANSI C12.20 - 0.5% Compliant

Data Logger Capacity

- Most recent hour: 1-second granularity
- Most recent year: 1-minute granularity
- Most recent 10-years: 15-minute granularity
- Lifetime: 1-day granularity

Communication

- Ethernet: IEEE 802.3 - LAN
- WiFi: IEEE 802.11n/b/g 2.4 GHz

Safety and Regulatory

- Safety: IEC/UL 61010-1 Ed. 3.0
- 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

Environmental

- Operating Temperature: $-30\text{ }^{\circ}\text{C}$ to $70\text{ }^{\circ}\text{C}$ ($-22\text{ }^{\circ}\text{F}$ to $158\text{ }^{\circ}\text{F}$)
- Max Altitude 4000 m (13,123 ft.)
- Max Humidity: 80% up to $31\text{ }^{\circ}\text{C}$ ($87.8\text{ }^{\circ}\text{F}$)
- Measurement Category: Overvoltage Category III
- Location: Open type indoor device
- Pollution Degree: 2

Hardware included

- 1x eGauge EG42xx Main Unit
- 1x [5-pin AC power plug](#)
- 1x 2-pin DC power plug
- 1x WiFi antenna
- 1x [Quick Start Guide](#)

Optional Common Hardware (not included)

- [Current Transformers \(CTs\)](#) with 8 ft. wires & plug (as ordered)

- [Other CTid-enabled Sensors](#)

Assembly/installation information

Ensure the WiFi antenna is connected and not within a metal or shielded enclosure that may block or interfere with the WiFi signal.

See the [Installation Overview Tips](#) to get started with general installation and setup.

To connect the meter to WiFi, follow the [EG42xx WiFi Connection setup article](#).

Documents

- [Installation Overview and Tips](#)
- [EG4xxx Owner's Manual](#)
- [eGauge Configuration Guide](#)
- [EG4215 Data Sheet](#)
- [EG4230 Data Sheet](#)

Related Information

- [EG42xx WiFi Connection setup article](#)
- [Meter Comparison Guide](#)
- [Related Meter Products](#)
- [eGauge Meter Configuration](#)

Please visit kb.egaugene.net for the most up-to-date documentation.