eGauge Meters

eGauge meter hardware.

- Meter: eGauge Core
- Meter: eGauge Pro
- Meter: eGauge Core and Pro with WiFi
- Meter Accuracy Certificate
- 3 Year Warranty Extension
- Meter: eGauge Pro (HomePlug, discontinued)
- Meter: eGauge Core Residential (HomePlug, discontinued)
- EG30xx and eGauge2 (Legacy Meters)

Meter: eGauge Core

[Visit the online store page](#)

Model: EG4015

The eGauge Core (EG4015) is the Pro version of the EG4xxx meter line. It has 15 sensor inputs and no integrated HomePlug communication. See the **Meter Comparison Chart** for the different versions of the EG4xxx meter line and what is the best fit.

The eGauge Pro 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 (EG4015)

Specifications

Full specs (data-sheet PDF)

3D CAD file (STEP format)

3D CAD file (legacy STEP format)

Measurements & Operation

- AC Voltage: ≤ 277V L-N, ≤ 480V L-L
- DC Voltage: +/- 60Vdc (9Vdc minimum to power)
- Frequency: 50/60Hz
- Power Draw: 12W max, 2W typical
- Accuracy: ANSI C12.2 - 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/Cell optional with third party hardware

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

Environmental

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

Hardware included

- 1x eGauge Pro EG4130 Main Unit
- 1x 5-pin AC power plug
- 1x 2-pin DC power plug
- 1x Quick Start Guide

Optional Common Hardware (not included)

- Current Transformers (CTs) w/8 ft wires & plug (as ordered)
- Other CTid-enabled Sensors

Assembly/installation information

See the Installation Overview Tips to get started.

Documents

- Installation Overview and Tips
- EG4xxx Owner's Manual
- eGauge Configuration Guide
- EG4015 Data Sheet
- 3D CAD file (STEP format)
- 3D CAD file (legacy STEP format)

Related Information

- Meter Comparison Guide
- Related Meter Products
- eGauge Meter Configuration

Meter: eGauge Pro

Visit the online store page

Model: EG4030

The eGauge Pro (EG4030) is the Pro version of the EG4xxx meter line and has 30 Sensor Inputs.
See the **Meter Comparison Chart** for the different versions of the EG4xxx meter line and what is the best fit.

The eGauge Pro 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 Pro (EG4030)

Specifications

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

[3D CAD file (STEP format)](#)

[3D CAD file (legacy STEP format)](#)

Measurements & Operation

- AC Voltage: ≤ 277V L-N, ≤ 480V L-L
- DC Voltage: +/- 60Vdc (9Vdc minimum to power)
- Frequency: 50/60Hz
- Power Draw: 12W max, 2W typical

- Accuracy: ANSI C12.2 - 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/Cell optional with third party hardware

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

Environmental

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

Hardware included

- 1x eGauge Pro EG4030 Main Unit
- 1x 5-pin AC power plug
- 1x 2-pin DC power plug
- 1x Quick Start Guide

Optional Common Hardware (not included)

- Current Transformers (CTs) w/8 ft wires & plug (as ordered)
- Other CTid-enabled Sensors

Assembly/installation information

See the Installation Overview Tips to get started.

Documents

- Installation Overview and Tips
- EG4xxx Owner's Manual
- eGauge Configuration Guide
- EG4030 Data Sheet
- 3D CAD file (STEP format)
- 3D CAD file (legacy STEP format)

Related Information

- Meter Comparison Guide
- Related Meter Products
- eGauge Meter Configuration

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: ≤ 277V L-N, ≤ 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 °C to 70 °C (−22 °F to 158 °F)
- Max Altitude 4000 m (13,123 ft.)
- Max Humidity: 80% up to 31 °C (87.8 °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

Meter Accuracy Certificate

Visit the online store page

The eGauge Meter Accuracy Certificate may be purchased with an eGauge meter to show the test conditions and results of the specific eGauge meter hardware. This document provides compliance of ANSI C12.20 0.5% revenue grade accuracy.

> Notice: The eGauge Meter Accuracy Certificate must be requested at the time of meter purchase. Meters cannot have a certificate generated once they are shipped.

CERTIFICATE OF CALIBRATION

eGauge Systems LLC
1644 Conestoga St, Suite 2
Boulder, CO 80301, USA
Tel: +1 (720) 545-9767   Fax: +1 (720) 545-9768
http://www.egauge.net/

Test Result:	**0.5% PASS**
Certificate No.:	EXAMPLE
Issue Date:	July 9, 2019
Page:	1 of 1

Device Serial No.:	EXAMPLE
Measurement Date:	July 2, 2019
Calibration Date:	July 2, 2019
Model Type Number:	EG4130
Description:	Multi-channel power meter, data-logger, and web-server.
Sensors Used:	C1–15, B1–15: Continental Control ACT-0750-100 (100A/0.75")
Standard Used:	Radian RD-20-103, S/N 207036, v07.22.04
Ambient Temperature/Humidity:	24.8 °C / 39%
Applied Voltage:	118.7 Vrms / 59.0 Hz

Power Factor 1 (current in phase with voltage)

Applied Current	Energy	Tol.	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
15.0A	30.0Wh	±0.2%[1]	+0.04	+0.03	+0.03	+0.03	+0.03	+0.02	+0.03	+0.02	+0.02	+0.04	+0.03	+0.02	+0.04	+0.03	**+0.07**
1.5A	3.0Wh	±0.5%[2]	+0.04	+0.06	+0.06	+0.01	+0.07	−0.02	+0.08	−0.02	+0.04	+0.08	+0.07	+0.02	+0.03	+0.06	+0.06
50.1A	50.5Wh	±0.5%[2]	+0.01	+0.01	+0.01	+0.01	+0.00	−0.01	+0.01	−0.01	+0.01	+0.01	+0.01	+0.01	+0.01	**+0.02**	**+0.02**
94.2A	95.1Wh	±0.5%[2]	+0.01	+0.00	+0.00	+0.00	+0.00	−0.01	+0.01	+0.01	+0.00	−0.00	+0.00	+0.01	+0.01	+0.01	+0.01

Current	Energy	Tol.	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28	#29	#30
15.0A	30.0Wh	±0.2%[1]	+0.02	+0.01	+0.02	+0.02	+0.01	+0.01	+0.03	+0.01	+0.03	+0.04	+0.02	+0.02	+0.03	+0.03	+0.04
1.5A	3.0Wh	±0.5%[2]	**+0.14**	+0.08	+0.04	+0.05	+0.06	+0.09	+0.11	+0.12	+0.09	+0.10	+0.09	+0.07	+0.08	+0.04	+0.11
50.1A	50.5Wh	±0.5%[2]	+0.01	**+0.02**	+0.01	+0.01	+0.01	**+0.02**	+0.01	+0.01	+0.00	+0.01	+0.00	+0.00	+0.01	−0.00	−0.00
94.2A	95.1Wh	±0.5%[2]	+0.01	+0.01	+0.01	−0.01	+0.01	**+0.02**	+0.01	+0.01	−0.00	+0.00	+0.00	+0.01	−0.00	+0.00

Power Factor 0.5 leading (current leading voltage by 60°)

Current	Energy	Tol.	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
15.0A	7.1Wh	±0.2%[1]	+0.08	+0.13	+0.19	+0.13	+0.18	+0.09	+0.12	+0.08	+0.18	+0.05	+0.21	+0.19	+0.15	+0.22	+0.15
1.5A	1.4Wh	±1.0%[2]	+0.17	+0.30	+0.27	+0.24	+0.17	+0.35	+0.18	+0.32	**+0.42**	+0.10	+0.09	+0.34	+0.31	+0.30	+0.20
49.7A	23.5Wh	±0.6%[2]	+0.09	+0.15	+0.19	+0.12	+0.20	+0.12	+0.10	+0.10	+0.18	+0.05	+0.19	+0.18	+0.13	+0.22	+0.15
93.8A	44.2Wh	±0.6%[2]	+0.14	+0.22	+0.26	+0.19	+0.26	+0.16	+0.17	+0.16	+0.24	+0.03	+0.25	+0.24	+0.17	+0.28	+0.20

Current	Energy	Tol.	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28	#29	#30
15.0A	7.1Wh	±0.6%[2]	+0.12	+0.12	**+0.25**	+0.05	+0.04	+0.06	+0.00	+0.20	−0.05	−0.20	−0.15	+0.03	+0.01	**+0.15**	+0.14
1.5A	1.4Wh	±1.0%[2]	+0.18	+0.30	+0.41	+0.17	+0.24	+0.08	+0.24	+0.31	+0.09	−0.02	+0.19	+0.02	+0.34	+0.27
49.7A	23.5Wh	±0.6%[2]	+0.10	+0.11	**+0.23**	+0.04	+0.01	+0.05	+0.00	+0.19	−0.05	−0.22	−0.14	+0.02	+0.03	+0.14	+0.14
93.8A	44.2Wh	±0.6%[2]	+0.17	+0.18	**+0.30**	+0.11	+0.07	+0.12	+0.07	+0.24	+0.01	−0.15	−0.09	+0.06	+0.10	+0.20	+0.19

Power Factor 0.5 lagging (current lagging voltage by 60°)

Current	Energy	Tol.	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
15.0A	7.9Wh	±0.6%[2]	−0.08	−0.13	−0.14	−0.12	−0.17	−0.06	−0.07	−0.08	−0.15	−0.04	−0.16	−0.16	−0.09	−0.17	−0.13
1.5A	1.6Wh	±1.0%[2]	−0.35	−0.33	**−0.37**	−0.20	−0.36	−0.05	−0.26	−0.21	−0.24	−0.15	**−0.37**	−0.23	−0.21	−0.22	−0.17
49.8A	26.4Wh	±0.6%[2]	−0.07	−0.14	−0.16	−0.11	−0.17	−0.08	−0.09	−0.09	−0.15	−0.04	−0.18	−0.16	−0.10	**−0.19**	−0.13
94.2A	49.5Wh	±0.6%[2]	−0.12	−0.19	−0.22	−0.16	−0.23	−0.14	−0.15	−0.13	−0.21	−0.01	−0.21	−0.22	−0.15	−0.25	−0.17

Current	Energy	Tol.	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28	#29	#30
15.0A	7.9Wh	±0.6%[2]	−0.09	−0.09	**−0.22**	−0.05	−0.01	−0.04	−0.00	−0.15	+0.05	+0.19	+0.13	+0.01	−0.01	−0.11	−0.12
1.5A	1.6Wh	±1.0%[2]	−0.18	−0.22	−0.16	−0.14	−0.03	−0.17	+0.04	−0.22	−0.07	+0.09	+0.01	+0.14	−0.08	−0.22	−0.31
49.8A	26.4Wh	±0.6%[2]	−0.08	−0.10	**−0.19**	−0.04	+0.00	−0.03	+0.01	−0.16	+0.05	+0.17	+0.13	−0.00	−0.03	−0.12	−0.11
94.2A	49.5Wh	±0.6%[2]	−0.15	−0.15	**−0.26**	−0.09	−0.05	−0.10	−0.05	−0.21	−0.01	+0.14	+0.08	−0.05	−0.08	−0.17	−0.16

Footnotes:

[1]: Absolute tolerance. This test establishes the reference condition.
[2]: Tolerance relative to reference condition.
[3]: Maximum deviation(s) shown in **bold**.

Meter Accuracy Certificate

Hardware included

- Printed accuracy certificate
- PDF version may be provided upon request

Related Information

- [eGauge Meters](#)

3 Year Warranty Extension

[Visit the online store page](#)

The 3 Year Warranty Extension is an optional warranty extension for the eGauge meter that adds 3 years to the standard 2-year warranty, for a total of 5 years. The extended warranty does not provide protection against environmental or physical damage to the unit. Please see the [warranty agreement](#) for more information.

> Notice: The 3-year Warranty Extension must be purchased at the time of meter sale. Warranty extensions cannot be applied to devices after they are purchased and shipped. Warranty does not over physical or environmental damage, only manufacturer hardware failure.

Related Information

- [eGauge Warranty Policy](#)
- [eGauge Meters Products](#)

Meter: eGauge Pro (HomePlug, discontinued)

Model: EG4130

> The EG4130 has been discontinued and replaced with the **EG4030**. If HomePlug communication on a Pro meter is needed, a HomePlug adapter may be connected to the Ethernet port of the EG4030.

The eGauge Pro (EG4130) is the Pro version of the EG4xxx meter line. It has 30 sensor inputs and integrated HomePlug communication. See the **Meter Comparison Chart** for the different versions of the EG4xxx meter line and what is the best fit.

The eGauge Pro 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 Pro (EG4130)

Specifications

Full specs (data-sheet PDF)

3D CAD file (STEP format)

3D CAD file (legacy STEP format)

Measurements & Operation

- AC Voltage: ≤ 277V L-N, ≤ 480V L-L
- DC Voltage: +/- 60Vdc (9Vdc minimum to power)
- Frequency: 50/60Hz
- Power Draw: 12W max, 2W typical
- Accuracy: ANSI C12.2 - 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

- Homeplug AV: Compatible with HomePlug AV adapter within ~100. on same phase as L1 terminal
- Ethernet: IEEE 802.3 - LAN
- WiFi/Cell optional with third party hardware

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

Environmental

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

Hardware included

- 1x eGauge Pro EG4130 Main Unit
- 1x 5-pin AC power plug
- 1x 2-pin DC power plug
- 1x Quick Start Guide

Optional Common Hardware (not included)

- Current Transformers (CTs) w/8 ft wires & plug (as ordered)
- HomePlug AV wall-outlet adapter w/5ft Ethenet cable (if ordered)

- Other CTid-enabled Sensors

Assembly/installation information

See the Installation Overview Tips to get started.

Documents

- Installation Overview and Tips
- EG4xxx Owner's Manual
- eGauge Configuration Guide
- EG4130 Data Sheet
- eGauge Pro Sales Sheet
- 3D CAD file (STEP format)
- 3D CAD file (legacy STEP format)

Related Information

- Meter Comparison Guide
- Related Meter Products
- eGauge Meter Configuration

Meter: eGauge Core Residential (HomePlug, discontinued)

This is a discontinued product. eGauge Systems no longer offers HomePlug-compatible devices. If wireless communication is required, please utilize the **WiFi-enabled EG42xx series meter**.

[Visit the online store page](#)

Model: EG4115

The eGauge Core Residential (EG4115) is the Pro version of the EG4xxx meter line. It has 15 sensor inputs and integrated HomePlug power-line communication. See the **Meter Comparison Chart** for the different versions of the EG4xxx meter line and what is the best fit.

The eGauge Core Residential has integrated HomePlug (power-line) communication. If power-line communication is not needed, you may use the standard **eGauge Core (EG4015)** without power-line communication. **eGauge Meter Comparison Chart** for full side-by-side comparisons.

eGauge Core Residential (EG4115)

Specifications

Full specs (data-sheet PDF)

3D CAD file (STEP format)

3D CAD file (legacy STEP format)

Measurements & Operation

- AC Voltage: ≤ 277V L-N, ≤ 480V L-L
- DC Voltage: +/- 60Vdc (9Vdc minimum to power)
- Frequency: 50/60Hz
- Power Draw: 12W max, 2W typical
- Accuracy: ANSI C12.2 - 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

- Homeplug AV: Compatible with HomePlug AV adapter within ~100. on same phase as L1 terminal
- Ethernet: IEEE 802.3 - LAN
- WiFi/Cell optional with third party hardware

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

Environmental

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

Hardware included

- 1x eGauge Pro EG4130 Main Unit
- 1x 5-pin AC power plug
- 1x 2-pin DC power plug
- 1x Quick Start Guide

Optional Common Hardware (not included)

- Current Transformers (CTs) w/8 ft wires & plug (as ordered)
- Other CTid-enabled Sensors

Assembly/installation information

See the Installation Overview Tips to get started.

Documents

- Installation Overview and Tips
- EG4xxx Owner's Manual
- eGauge Configuration Guide
- EG4xxx Data Sheet
- 3D CAD file (STEP format)
- 3D CAD file (legacy STEP format)

Related Information

- Meter Comparison Guide
- Related Meter Products
- eGauge Meter Configuration

EG30xx and eGauge2 (Legacy Meters)

EG30xx and eGauge2 are older legacy model eGauges. The current version of the eGauge meters are EG4xxx (eGauge Core and eGauge Pro). Documentation for legacy meters may be found here.

This page covers some of the differences between legacy models and the current model.

Model: EG30xx (Purple Label)

Model: EG30xx (Blue Label)

Model: eGauge2 (note: no Ethernet port)

Firmware

Current firmware is available to install on legacy meters. Most features on current firmware are available on legacy model eGauges such as eGauge2 and EG30xx series. The firmware may be upgraded through Tools -> Firmware Upgrade.

Differences between older models

HTTPS

Legacy units do not fully support modern encryption. See the legacy meter Encryption Support documentation for more information.

Sensor Compatibility

EG4xxx are CTid-compatible and can take supported sensors other than CTs. EG4xxx can also detect CTid-enabled CTs and populate CT configuration information from these sensors. EG30xx and eGauge2 do not have CTid capabilities.

Ethernet

EG4xxx and EG3xxx meters have Ethernet, eGauge2 units only have HomePlug 1.0 (discontinued).

HomePlug

eGauge2 meters use HomePlug 1.0 (discontinued). EG301x and EG41xx utilize the current version of HomePlug AV.USB

EG4xxx has dual USB connections for supported USB devices. EG30xx and eGauge2 do not have USB.

LCD

EG4xxx has an LCD display screen and toggle switch to display meter information and perform basic actions. EG30xx and eGauge2 do not have an LCD screen but instead a status LED. For more information regarding the LCD please see: EG4xxx LCD Manual

Number of inputs

EG4xxx has either 15 or 30 sensor inputs (CT ports). EG30xx and eGauge2 have 12.

DC input

The EG4xxx has a DC voltage input for power and/or measurement, +/- 60Vdc. EG30xx and eGauge2 do not.

Other hardware improvements

There are miscellaneous improvements to the eGauge hardware and design in EG4xxx such as more powerful processor, more isolation between high voltage and low voltage systems, an optional "high gain" mode to increase CT sensitivity by 10x. Other hardware aspects have been improved, but don't show in general day-to-day use.