



eGauge Pro/Core (EG4xxx)

Measurement

AC Voltage:	L1: 85 Vac – 277 Vac L2: 0 Vac – 277 Vac L3: 0 Vac – 277 Vac
(Y: L-N, Δ: L-L)	
DC Voltage:	Max: 42 Vac Power: 9 Vdc – 60 Vdc Measurement: ±60 Vdc
Current:	15 or 30 sensor ports 6900 A maximum Sensor ports isolated from USB, Ethernet and voltage inputs
Frequency:	50 Hz or 60 Hz
Logging Values:	V, A, W, Wh, Hz, VA VAr, THD, degrees
Power Draw:	Total: 12 W maximum, 2 W typical 2x USB 2.0 ports at 5 W maximum
Accuracy:	ANSI C12.20 – 0.5% Compliant

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

Data Protocols

*See Comparison Table

Network Connection

WiFi (EG42xx only):	IEEE 802.11n/b/g 2.4 GHz
Ethernet:	IEEE 802.3 – LAN
Cellular:	Optional with external modem

Data Logger Capacity

Register Count:	64 (data storage points)
Granularity:	1 hour / 1 second
(retention/gran.)	1 year / 1 minute 10 years / 15 minutes Meter Lifetime / 1 day

User Interface

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

Environment Conditions

Operating Temp:	–30 °C – 70 °C (–22 °F – 158 °F)
Max Altitude:	4000 m (13,123 ft.)
Max Humidity:	80% up to 31 °C (87.8 °F)
Meas. Category:	Overvoltage Category III
Location:	Open type indoor device
Pollution Degree:	2

Enclosure

Material:	FRABS
Dimensions:	17 cm x 8 cm x 4.6 cm (6.7 in. x 3.15 in. x 1.81 in.)
Weight:	261 g – 309 g (0.58 lb – 0.68 lb)

General

Warranty:	2 years or 5 years
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The eGauge combines an energy meter, data logger, and web server. This powerful combination lets you measure, store, and retrieve data directly from a local network or from a remote location via the Internet. Not only does it calculate power (V, A, VAr, kWh, etc), but also records data from optional sensors that assess flow rate, temperature, wind speed, and more. You can view historical and live data for the lifetime of the hardware with the unit's convenient user interface (UI). Users 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.



	EG4015	EG4030	EG4215	EG4230	
Model Number	EG4015	EG4030	EG4215	EG4230	
Applications	Residential/Commercial/Industrial				
Sensor Ports	15	30	15	30	
AC Voltage	L1, L2, L3, N (≤ 277 Vrms L-N, ≤ 480 Vrms L-L)				
DC Voltage	Input Power: 9 Vdc - 60 Vdc, Measurement: ± 60 Vdc				
Data Logger	64 Data Points, Lifetime				
Accuracy	ANSI C12.20 – 0.5% Compliant				
Data & Networking	Local Network and Internet accessible	Yes			
	LCD Screen	Yes			
	USB	2x USB 2.0 ports			
	Ethernet	Yes	Yes	Yes	Yes
	WiFi	No	No	Yes	Yes
	Cellular	Optional with external modem			
	Communication (in)	Modbus RTU*, Modbus TCP			
Communication (out)	Modbus RTU*, Modbus TCP, BACnet IP, BACnet MS/TP*, CSV, JSON, XML				
General	Dimensions	17 cm x 8 cm x 4.6 cm (6.7 in. x 3.15 in. x 1.81 in.)			
	Weight	261 g (0.57 lbs.)	278 g (0.61 lbs.)	293 g (0.64 lbs.)	309 g. (0.68 lbs.)
	Country of Origin	United States of America			

* Requires USB485 serial converter

