

GIMA® Three Phase Digital Panel Meter



- **Four model types designed to fit a wide range of applications**
- **One meter to measure all your values**
- **Easy installation - software detection/correction of wiring errors**
- **Wide backlit LCD display for easy viewing**
- **Easy to use - four keys select all parameters**
- **Use for single or three-phase applications**

Specifications

INPUT

System	3-phase, 3 or 4 wire unbalanced load
Voltages	120/208, 120/240, 277/480, 63/110
Measurement range	0.5% to 120%
Current	5 amp from external CTs Fully Isolated
Measurement range	0.5% to 120%
Operating Frequency	45 to 65 Hz
Harmonics	Up to the 20th harmonic
Input Loading	
Voltage	Less than 0.1VA per phase
Current	Less than 0.1VA per phase
Overload	
Voltage	x2 for 2 seconds max.
Current	x40 for 1 second max.
Auxiliary Supply	
Standard	115V±15% 45-65Hz
Optional	230V±15% 45-65Hz
General Display	Custom backlit supertwist LCD 3 lines of .47" (12mm) digits plus .15" (3.8mm) legends

ENVIRONMENTAL

Temperature	14°F to 149°F (-10°C to 65°C) operating
Humidity	<75% RH non-condensing
Programming	
CT Primary	5amp to 6500 amp
VT Primary	60v to 50,000v
Pulse Outputs	2
Function	
Output No. 1	Wh (G200, G300 & G400 only)
Output No. 2	Total varh (G300 & G400 only)
Pulse Length	100ms
Isolation	2500V (50 Output No. 1 to Output No. 2)
Scaling	Settable 1, 10 or 100 pulse output rate

ACCURACY

	Per Phase	3 Phase
Current		
5% to 120%FS	±0.2%FS	N/A
Voltage LN	±1% Rdg*	
20% to 120%FS	±0.2%FS	N/A
Voltage LL	±1% Rdg*	
20% to 120%FS	±0.3%FS	N/A
Watts	±1% Rdg*	
5% to 120%FS	±0.4%FS	±0.6%FS
VA	±1% Rdg*	±1% Rdg*
5% to 120%FS	±0.6%FS	±1%FS
var	±1.5% Rdg*	±1.5% Rdg*
5 % to 120%FS	±0.8%FS	±1.5% FS
PF	±2% Rdg*	±2% Rdg
Frequency	±0.2°	±0.2°FS
Neutral Current		
5% to 120%FS		±0.05 Hz
Wh Register	N/A	±0.6% FS
		±2% Rdg
VAh Register	N/A	Class 1
Varh Register	N/A	EN 61036
	N/A	Class 2
	N/A	Class 2
		IEC 1268

Note:

All accuracies specified are ±1 digit
*Rdg = Reading

MECHANICAL

Bezel	2.77" x 3.79" (w/ .28" lip)
Depth	2.83"
Panel Cutout	3.62" x 3.62"
Weight	14 oz.
Height	3.79"

more >>



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Models & Parameters

	G100	G200	G300	G400
Phase Amps	X	X	X	X
Phase Volts	X	X	X	X
Line Volts	X	X	X	X
Per Phase PK	X	X	X	X
Per Phase kW	X	X	X	X
Per Phase kvar			X	X
Per Phase kVA				X
3 Phase PF	X	X	X	X
3 Phase kW	X	X	X	X
3 Phase kvar			X	X
3 Phase kVA				X
Frequency	X	X	X	X
KWh		X	X	X
Capacitive kvarh			X	X
Inductive kvarh			X	X
Total kvarh			X	X
Import kvarh				X
Current Demand	X	X	X	X
Voltage Demand	X	X	X	X
kW Demand			X	X
Peak Amps				X
Peak Phase Volts				X
Peak Current Demand	X	X	X	X
Peak Voltage Demand	X	X	X	X
Neutral Current				X

Accessories - Three-Phase Current Transformer

A three-phase terminal style current transformer must be used with GIMA® three phase meters.

The current transformer is equipped with terminals to permit easy connection to the GIMA units. These terminals are #8-32 brass studs and come with a flatwasher, lockwasher and a regular nut (leads are not provided).



Ordering Information

Catalog Number	Current Ratio	Accuracy @ 60Hz	Burden VA @ 60 Hz
37026	50:5	± 3%	2.0
37027	100:5	± 1%	2.0
37028	150:5	± 1%	4.0
37029	200:5	± 1%	5.0
37030	300:5	± 1%	10.0

Ordering Information

G



Basic Unit Power Voltage Inputs Current Input Other

Basic Unit	
100	GIMA 100 Meter
200	GIMA 200 Meter
300	GIMA 300 Meter
400	GIMA 400 Meter
Power Supply	
1	115 VAC @ 45-65Hz
2	230 VAC @ 45-65 Hz
Voltage Input	
1	120/208V
2	120/240V - Split Phase
3	277/480V
4	63/110V
Current Input	
1	5 amp
Other	
0	None

For other Voltage and Current Inputs, contact Simpson Electric Company

Mounting Requirements

Panels should be .04 to .16 inches (1mm to 4mm) thick with a square cut-out of 3.62" x 3.62" (92mm x 92mm.) A minimum depth of 2.83" (72mm) should be allowed behind the panel for the meter. Remove the panel mounting clips and insert the meter into the cut-out from the front of the panel. Push the meter home. Ensure the screws in each panel mount clip are fully retracted and insert the clips as shown in the diagram below. Tighten the screws to secure the meter firmly in the panel.

Do not overtighten.

