

# 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

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

## ENVIRONMENTAL

<b>Temperature</b>	14°F to 149°F (-10°C to 65°C) operating
<b>Humidity</b>	<75% RH non-condensing
<b>Programming</b>	
CT Primary	5amp to 6500 amp
VT Primary	60v to 50,000v
<b>Pulse Outputs</b>	2
<b>Function</b>	
Output No. 1	Wh (G200, G300 & G400 only)
Output No. 2	Total varh (G300 & G400 only)
<b>Pulse Length</b>	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
<b>Current</b> 5% to 120%FS	±0.2%FS	N/A
<b>Voltage LN</b> 20% to 120%FS	±1% Rdg* ±0.2%FS	N/A
<b>Voltage LL</b> 20% to 120%FS	±1% Rdg* ±0.3%FS	N/A
<b>Watts</b> 5% to 120%FS	±1% Rdg* ±0.4%FS	±0.6%FS
<b>VA</b> 5% to 120%FS	±1% Rdg* ±0.6%FS	±1% Rdg* ±1%FS
<b>var</b> 5% to 120%FS	±1.5% Rdg* ±0.8%FS	±1.5% Rdg* ±1.5% FS
<b>PF</b>	±2% Rdg*	±2% Rdg
<b>Frequency</b>	±0.2°	±0.2°FS
<b>Neutral Current</b> 5% to 120%FS		±0.05 Hz
<b>Wh Register</b>	N/A	±0.6% FS ±2% Rdg
<b>VAh Register</b>	N/A	Class 1
<b>Varh Register</b>	N/A	EN 61036 Class 2 Class 2 IEC 1268

Note: All accuracies specified are ±1 digit  
\*Rdg = Reading

## MECHANICAL

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

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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.

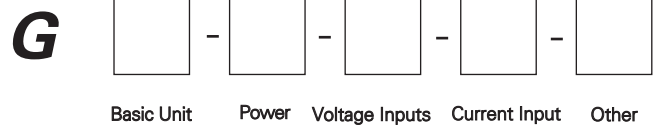
The current transformer is equipped with terminals to permit easy connection to the GIMA units. These terminals are #8-32 brass studs and come with a flatwasher, lockwasher and a regular nut (leads are not provided).



## 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



- 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.**

