ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Simpson Electric G400-1-3-1-0* at our website: *Click HERE*

Simpson®

MADE IN THE USA SINCE 1936 RELIABILITY BEYOND MEASURE

GIMA Three Phase Digital Panel Meters

- Four model types designed to fit a wide range of applications
- 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
- Not for use with grounded delta applications
- Modbus communication option available



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

The Specifications & Dimensions are on the last pages

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Simpson®
MADE IN THE USA SINCE 1936 RELIABILITY BEYOND MEASURE

GIMA Three Phase Digital Panel Meters

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 @ 60 Hz	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 -

GIMA can be configured by making an entry in each section below. Example: G100-1-3-1-0.

G ☐ — ☐ — ☐ — ☐ — ☐

Basic Unit | Power Supply | Voltage Input | Current Input | Other

Select From Each One Below		
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

For other Voltage and Current Inputs contact Simpson Electric Company

Select From Each One Below		
Voltage Input		
	1	120/208V
	2	120/240V - Split Phase
	3	277/480V
	4	63/110V

Current Input		
	1	5 Amps @ 45-65 Hz

Other		
	0	None
	1	Modbus Communication *
* RS485/422 communications		

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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.)

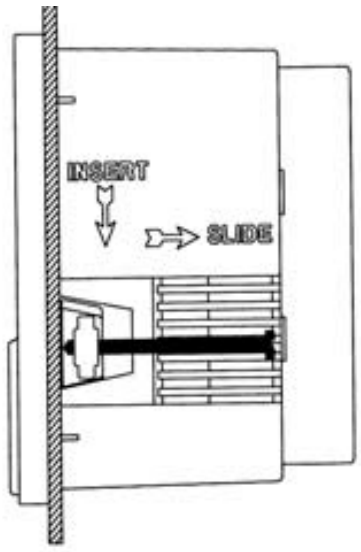
A minimum depth of 2.83” (72mm) should be allowed behind the panel for the meter.

Remove the panel mounting clips and insert the meter into the cutout 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.



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

GIMA Three Phase Digital Panel Meters

Specifications	
INPUT	
System	3-phase, 3 or 4 wire unbalanced load
Voltages	120/208, 120/240, 277/480, 63/110
Measurement Range	20% to 120%
Current	5 amp from external CTs Fully Isolated
Measurement Range	5% to 120%
Operating Frequency	45 to 65 Hz
Harmonics	Up to the 30th 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 .5 second max.
Auxiliary Supply	
Standard	115V±15% 45-65Hz
Optional	230V±15% 45-65Hz
Display	Custom backlit supertwist LCD 3 lines of .47”
General	(12mm) digits plus .15” (3.8mm) legends
Update Rate	Once/Second
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 to 20 seconds
Isolation	2.2KV (50V Output No. 1 to Output No. 2)
Scaling	Settable 1, 10 or 100 pulse output rate

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

GIMA Three Phase Digital Panel Meters

Accuracy		
Parameter	**Spec Range**	**Spec**
Phase Current	5% to 120% Ib	±0.2% Ib (1% *Rdg) ±1 Digit
Neutral Current	5% to 120% Ib	±0.6% Ib (2% *Rdg) ±1 Digit
Phase Voltage	20% to 120% Vb	±0.2% Vb (1% *Rdg) ±1 Digit
Voltage LL	20% to 120% Vb	±0.3% Vb (1% *Rdg) ±1 Digit
Phase Watts	5% to 120% FS	±0.4% FS (1% *Rdg) ±1 Digit
Phase VA	5% to 120% FS	±0.6% FS (1.5% *Rdg) ±1 Digit
Phase var	5% to 120% FS	±0.8% FS (2% *Rdg) ±1 Digit
Phase PF		±0.2 Degrees
System Watts	5% to 120% FS	±0.6% FS (1% *Rdg) ±1 Digit
System VA	5% to 120% FS	±1% FS (1.5% *Rdg) ±1 Digit
System var	5% to 120% FS	±1.5% FS (2% *Rdg) ±1 Digit
System PF		±0.2 Degrees
Frequency	45Hz to 65Hz	±.05 Hz
Note:	*Rdg = Reading	
MECHANICAL		
Bezel	3.79” x 3.79” (w/ .29” lip)	
Depth	3.35”	
Panel Cutout	3.62” x 3.62”	
Weight	14 oz.	

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP