

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



The Specifications & Dimensions are on the last pages

| 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 |

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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).

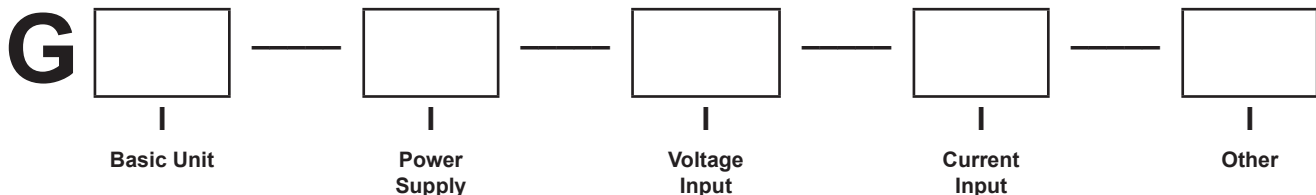


Ordering Information

| 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.



| 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 | |

| 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 | | |

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.)

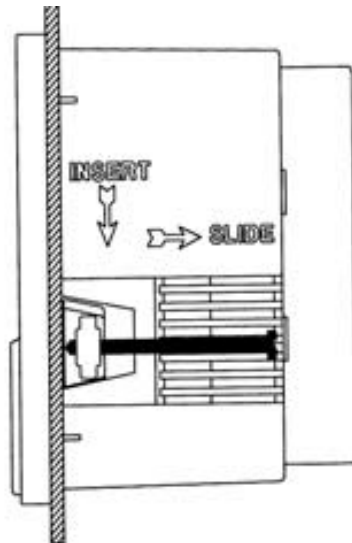
A minimum depth of 2.83" (72mm) should be allowed behind the panel for the meter.

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



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| 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 |



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| 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 | ±0.05 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. | |

Mouser Electronics

Authorized Distributor

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Simpson:

[G300-1-1-1-0](#) [G100-1-1-1-0](#) [G400-1-1-1-0](#) [G200-1-1-1-0](#) [G200-1-2-1-0](#) [G4001210](#) [G400-1-3-1-0](#) [G300-1-3-1-0](#)
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