### FEATURES
- Available in 1-, 2-, or 3-element configurations.
- Some models provide bidirectional outputs.
- 0.2% of reading accuracy
- Accuracy maintained over wide temperature range, calibration traceable to NIST.

### APPLICATIONS
- Integration into energy management systems and sub-metering applications.
- Measurement using direct connection, current transformers, and/or potential transformers.
- Sinusoidal waveforms.

### SPECIFICATIONS

#### INPUT
- **Voltage**: 85-135V for 150V models, 200-280V for 300V models, 380-550V for 600V models

#### OUTPUT
- **VARs**: ±0.2%/ºC, ±0.05% F.S.
- **Watts**: ±0.005%/ºC, ±0.05% F.S.

#### ACCURACY
- Includes combined effects of voltage, current, load, PF

#### TEMPERATURE & PHYSICAL
- **Temperature Effect (-20ºC to 60ºC)**
- **Watts**: ±0.2%/ºC, ±0.05% F.S.
- **VARs**: ±0.2%/ºC, ±0.05% F.S.

### PRESSURE
- **Operating Humidity**: 0-95% non-condensing

### ORDERING INFORMATION
- Example: Three-Phase, Three-Wire 120Vac, 5A Input with 0-±1mA Output
- Equals 1000W & VARs.

### GWV5-004B

#### CONTINUOUS ANALOG OUTPUTS
- Model GWV5-004B
- 5A Input with 0-±1mA Output
- Equals 1000W & VARs.

#### Wiring Information
- Cables & additional current ranges available - Consult Factory

#### EXAMPLE
- Example: Three-Phase, Three-Wire 120Vac, 5A Input with 0-±1mA Output
- Equals 1000W & VARs.

#### GWV5-004B
- 5 Year Warranty

### PERFORMANCE
- 50ms Response to 90% - Add suffix “W”

### INSTRUMENT POWER
- Standard: 85-135Vac, 60Hz, 7.5VA
- "22" option: 230Vac, 50/60Hz, ±15%

### INPUTS & OUTPUTS

#### SINGLE- AND THREE-PHASE MODELS WITH INTERNAL SENSOR

<table>
<thead>
<tr>
<th>INPUTS</th>
<th>F.S.</th>
<th>PHASE</th>
<th>NO. OF ELE.</th>
<th>STANDARD OUTPUTS MODEL GWV5-</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC VOLTS</td>
<td>AC AMS</td>
<td>WATT/VAR</td>
<td>PHASE</td>
<td>0-±1mAdc*</td>
</tr>
<tr>
<td>0-150</td>
<td>0-2.5</td>
<td>250 1P-2W</td>
<td>1</td>
<td>005A</td>
</tr>
<tr>
<td>0-300</td>
<td>0-2.5</td>
<td>500 1P-2W</td>
<td>1</td>
<td>002A</td>
</tr>
<tr>
<td>0-600</td>
<td>0-2.5</td>
<td>1000 1P-2W</td>
<td>1</td>
<td>001A</td>
</tr>
<tr>
<td>0-150</td>
<td>0-5</td>
<td>1000 3P-3W</td>
<td>2</td>
<td>005A</td>
</tr>
<tr>
<td>0-300</td>
<td>0-5</td>
<td>2000 3P-3W</td>
<td>2</td>
<td>003A</td>
</tr>
<tr>
<td>0-600</td>
<td>0-5</td>
<td>4000 3P-3W</td>
<td>2</td>
<td>002A</td>
</tr>
<tr>
<td>0-150 L-N</td>
<td>0-2.5</td>
<td>750 3P-4W</td>
<td>2</td>
<td>007A</td>
</tr>
<tr>
<td>0-300 L-N</td>
<td>0-5</td>
<td>1500 3P-4W</td>
<td>3</td>
<td>005A</td>
</tr>
<tr>
<td>0-600 L-N</td>
<td>0-5</td>
<td>3000 3P-4W</td>
<td>3</td>
<td>003A</td>
</tr>
</tbody>
</table>

* Denotes self-powered unit, voltage range limited to:
- 85-135V For 150V Models
- 200-280V For 300V Models
- 380-550V For 600V Models

All units other than self-powered require 85-135Vac inst. power.
Optional 230Vac Instrument Power - Add suffix “-22”

#### 50 Hertz Models
- Add suffix “-50” to part number.
- 50ms output response to 90% - Add suffix “W”

### ORDERING INFORMATION

#### EXAMPLE
- Three-Phase, Three-Wire 120Vac, 5A Input with 0-±1mA Output
- Equals 1000W & VARs.

#### GWV5-004B

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CONNECTIONS AND DIMENSIONS

MODEL GWV5-

CONNECTION DIAGRAMS

SINGLE-PHASE, TWO-WIRE CONNECTIONS

THREE-PHASE, THREE-WIRE CONNECTIONS

THREE-PHASE, FOUR-WIRE CONNECTIONS

* 115Vac ON MODELS WITH B, D, E, EM OR X5 SUFFIX
* 230Vac ON MODELS WITH -22 SUFFIX
* NOT REQUIRED ON MODELS WITH A, C, CX5 OR EG SUFFIX.

CASE DIMENSIONS

CASE HEIGHT 6.50"
1PH 2W 2.6 LBS
3PH 3W 3.0 LBS
3PH 4W 3.5 LBS

ALL DIMENSIONS ARE IN INCHES.