

POWER MONITORING & PROTECTION



GP SERIES POWER METER GP SERIES

DESCRIPTION

The **GP Series** power meter provides a solution for measuring energy data with a single device. Inputs include Control Power, CT, and 3-phase voltage. The GP supports multiple output options, including solid state relay contacts, Modbus (with or without data logging), and pulse. The LCD screen on the faceplate allows instant output viewing.

The meter is housed in a plastic enclosure suitable for installation on T35 DIN rail according to EN50022. The GP can be mounted with any orientation over the entire ambient temperature range, either on a DIN rail or in a panel. The meter is not sensitive to CT orientation to reduce installation errors.

NEW!

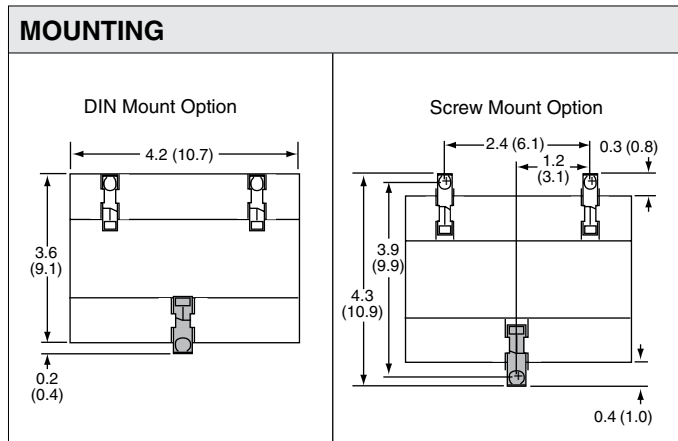


GP953



FEATURES

- **Monitors 1, 2, or 3 phase services**
- **Monitors services up to 600 VAC directly and 32,000 VAC with use of a potential transformer**
- **Accepts .333 VAC or 1V Current Transformer's (sold separately)**
- **DIN mounting for easy installation**
- **ANSI 12.20 0.5% accuracy**
- **BACnet, Modbus or pulse**
- **90-600 VAC for application versatility**
- **Bright backlit LCD with easy visibility**
- **Pulse and phase loss alarms standard**
- **User-enabled password protection**
- **Approved for California Solar applications**



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SPECIFICATIONS	
Supply Voltage	
UL	90 VAC (L-N) to 600 VAC (L-L), 50/60Hz
CE	90 VAC (L-N) to 300 VAC (L-L), 50/60Hz
Monitored Voltage	
Line to Line:	90 to 600 VAC
Line to Line with potential transformer:	601 to 32000 VAC
Monitored Current	5 to 32,000 Amps
Current Transformer	
Input	0 to 0.333 V or 0 to 1 V
Input Signal	2 (GP953 only) Pulse Solid-State or mechanical contacts (current less than 1 mA) Minimum Pulse Width 20 msec
Outputs	
GP911	Reactive energy pulse 30 VAC/DC
GP921	RS-485 2-wire Modbus RTU Basic Data Set
GP9122/GP922	RS-485 2-wire Modbus RTU Full Data Set
GP122/GP923	RS-485 2-wire Modbus RTU Full Data Set, data logging
GP953	RS-485 2-wire BACnet MS/TP Full Data Set, data logging
Accuracy	Real power and energy 0.5% (ANSI C12.20, IEC 62053-22 Class 0.5S)
Operating Temperature	
Meter:	-22° to 158°F (-30° to 70°C)
Display:	14° to 122°F (-10° to 50°C)
Operating Humidity	< 95% RH non-condensing
Mounting	DIN Rail or 3-point screw mount
Dimensions	2.3" x 4.2" x 3.6" (5.9 cm x 10.7 cm x 9.1 cm)
Weight	0.62 lb (0.28 kg)
Approvals	CE, UL508, File #E339785
RoHS Statement	Yes
Warranty	5 years

NEW!



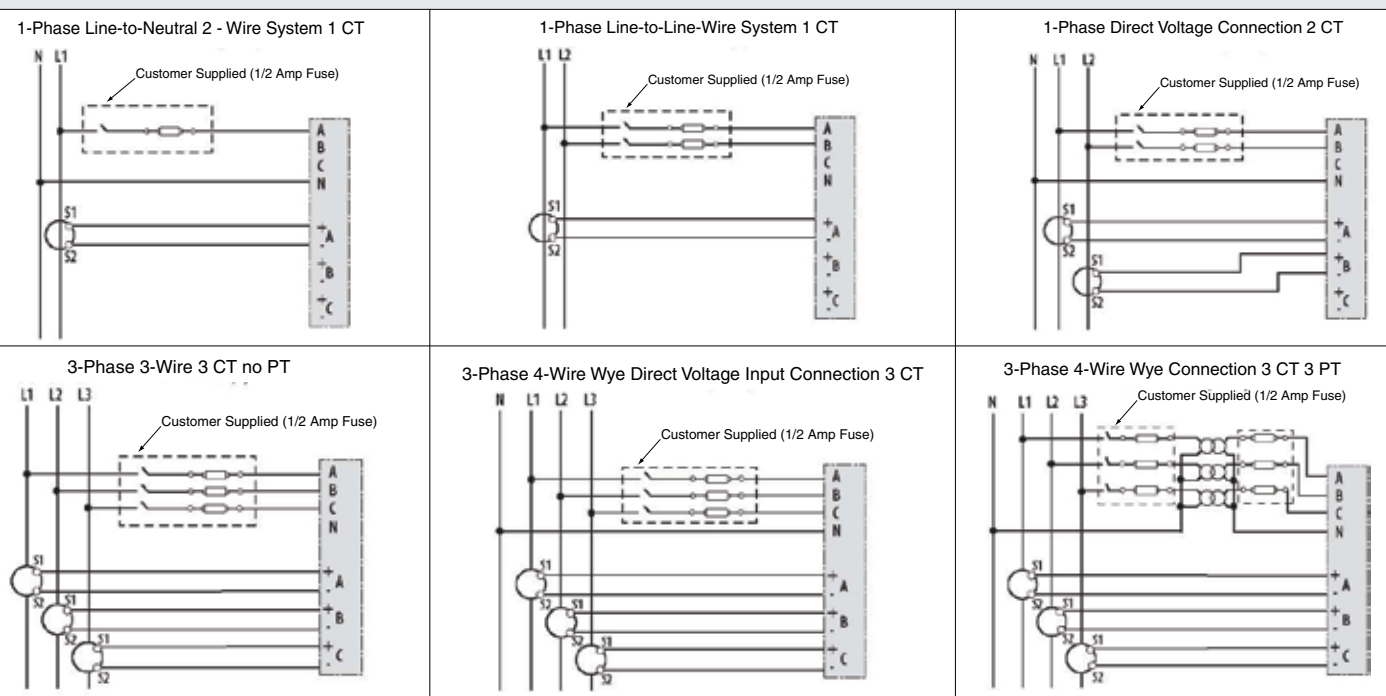
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WIRING



BACNET/MODBUS DATA OUTPUTS

Basic Data Set (BDS):

- Power (kW)
- Energy (kWh)

Full Data Set (FDS) includes BDS plus:

- Configurable for CT & PT ratios, system type, and passwords
- Diagnostic alerts
- Current: 3-phase average
- Volts: 3-phase average
- Current: by phase
- Volts: by phase Line-Line and Line-Neutral
- Power: Real, Reactive, and Apparent 3-phase total and per phase
- Power Factor: 3-phase average and per phase
- Frequency
- Power Demand: Most Recent and Peak
- Demand Configuration: Fixed, Rolling Block, and External Sync (Modbus only)

Data Logging (includes all FDS outputs, plus):

- Real Time Clock: user configurable
- 10 user configurable log buffers: each buffer holds 5760 16-bit entries

(User configures which 10 data points are stored in these buffers)
 User configurable logging interval (When configured for a 15 minute interval, each buffer holds 60 days of data)
 Continuous and Single Shot logging modes: user selectable
 Auto write pause: read logs without disabling the meter's data logging mode

BACnet Data Logging (includes all FDS outputs, plus):

Real Time Clock: uses BACnet Time
 Synchronization services
 3 BACnet log events: each buffer holds 5760 32-bit entries
 (User configures which 3 data points are stored in these buffers)
 User configurable logging interval,
 (When configured for a 15 minute interval, each buffer holds 60 days of data)
 Continuous and single shot logging modes: user selectable
 Auto write pause: read logs without disabling the meter's data logging mode

ORDERING INFORMATION

MODEL	DESCRIPTION
GP122	Power meter bi-directional, Modbus, Pulse output
GP123	Power meter, bi-directional, Modbus, pulse output, data logging
GP911	Pulse output only
GP921	Modbus output, basic data set
GP922	Modbus output, full data set
GP923	Modbus output, full data set, data logging
GP953	Power meter FDS BACnet, 2 pulse inputs, data logging
GP-AH02	Fuse pack, single
GP-AH03	Fuse pack, double
GP-AH04	Fuse pack, triple
GP-AE010	Nema 4 enclosure for GP Series meters
GP-AE011	Lock and Key for GP-AE010 Enclosure

NEW!