Digital Power Meter Set, Bench Mount

GERLING

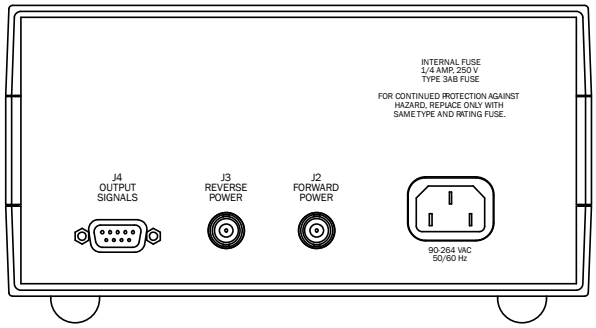
Model GA3213
Model GA3214

The model GA3213 and GA3214 Digital Power Meter Sets are designed for monitoring the microwave power levels from a separate waveguide power coupler. The sets include a benchtop meter case with digital meters along with crystal diode detectors and/or cables as needed for the coupler with which the set is used. Analog voltages for the power signals are also delivered to an output connector for remote power monitoring. A reverse power alarm with adjustable setpoint and relay contact output is also provided.

These sets may be used with the customer's existing waveguide or coaxial coupler or other component having a power coupling port. Each channel is factory-calibrated for a coupling factor of 60 dB (by default) or other suitable value as may be required for the desired power level scaling. When ordered together with a GAE waveguide coupler component, the meter set is factory-calibrated with that component.

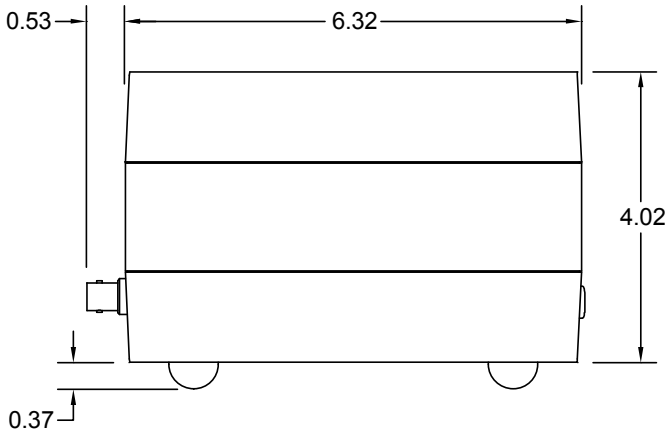
General Specifications:

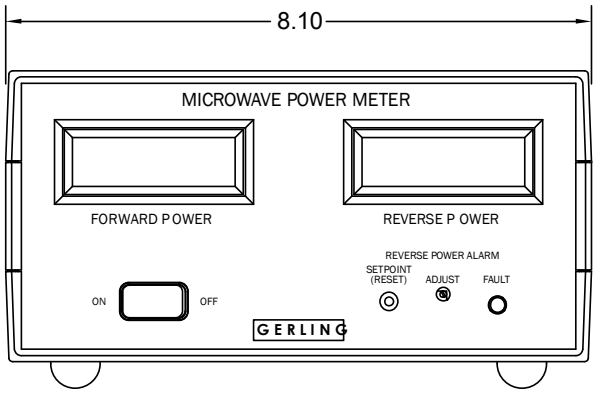
Input Line Power	90-265 VAC, 50/60 Hz, 1/4 Amp
Connections	Line Power: IEC 60320 style inlet Microwave Signal Inputs: BNC female Analog Signal Output: 9-pin male D-sub
Scale	0-10 kW (standard) 0-2 kW (optional)
Standard Calibration:	Input Waveform: Low Ripple (< 5% RMS) Coupling Factor: 60 dB +/- 0.2 dB
Power Display	GA3213: Forward and Reverse Power GA3214: Reverse Power only
Fault Indicator	Reverse Power Alarm (LED)
Controls	Line Power On/Off (rocker) Reverse Power Alarm Set/Reset (pushbutton) Reverse Power Alarm Adjust (trimpot)
Output Signals	0-10 VDC analog voltages for forward and reverse power SPDT relay contacts for reverse power alarm



Options:

- Single meter display (Forward or Reverse power)
- With detector diodes and cables for use with GAE waveguide couplers
- With cables for use with GAE coaxial couplers





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All dimensions are in inches [millimeters].

Updated 29JUL15