



The GPM-8212 is a bench-top power meter suitable for middle to high-end applications. Performance and functionality are maintained at the highest level with a maximum 9999 CT/PT ratio, high immunity to external noise, and true RMS voltage/current/power. The user interface has been designed to simplify setup and operation. The large 0.56" display simultaneously shows all three measurement units, Power/Voltage/Current, either as frequency (Hz) or power factor (PF). The RS-232C or RS-485 PC interfaces allow automatic calibration providing minimum errors and a data/control interface for automated test systems.

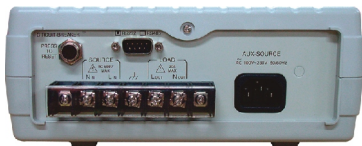
## GPM-8212



## FEATURES

- \* Simultaneous Display of W, A, V (PF or Hz)
- \* True RMS V, A, W
- \* Auto Calibration Via Computer
- \* Max. / Min. / Hold Function
- \* High Immunity to External Noise
- \* CT Ratio (1 ~ 9999)
- \* PT Ratio (1 ~ 9999)

## Rear Panel



SPECIFICATIONS	
<b>VOLTAGE</b>	
Range	5V, 10V, 20V, 40V, 80V, 160V, 320V, 640V total 8 ranges by auto-range or manual.
Measurement Type	True RMS
Input Resistance	≥1M
Maximum Input Voltage	1000V(peak), 700V(rms)
PT Ratio Setting	1 ~ 9999
Accuracy ( at 23°C±5°C ) ( Sinewave )	±0.1% of reading±0.1% of range
<b>CURRENT</b>	
Range	160mA, 320mA, 640mA, 1.280A, 2.560A, 5.120A, 10.24A, 20.48A total 8 ranges by auto-range or manual
Measurement Type	True RMS
Input Resistance	0.01
Maximum Input Current	30A(peak), 20A(rms)
CT Ratio Setting	1 ~ 9999
Accuracy ( at 23°C±5°C ) ( Sinewave )	±0.1% of reading±0.1% of range
<b>WATT</b>	
Measurement Range	0.32mW ~ 13.10kW
Measurement Type	True rms
Accuracy ( at 23°C±5°C ) ( Sinewave )	±0.2% of reading ±0.2% of range
<b>POWER FACTOR</b>	
Range	0.001 ~ 1.000
Computation	W/(V x A) = Power factor (PF)
<b>FREQUENCY</b>	
Measurement Range	40Hz ~ 400Hz
Accuracy ( 23°C ±5°C )	±0.2% of reading ±2 digits
<b>GENERAL</b>	
Display	4 digits 0.56" LED and 2 sets of 4 digits 0.4" LED
Minimum Input	2% of range
Response Time	2 cycles/sec
Overload Indicating	" O.L "
<b>INTERFACE</b>	
RS-232C or RS-485 Interface (designed before purchase)	
<b>POWER SOURCE</b>	
AC 100 ~ 230V, 50/60Hz	
<b>DIMENSIONS &amp; WEIGHT</b>	
251 (W) x 91 (H) x 291 (D) mm, Approx. 1.6kg	

## ORDERING INFORMATION

<b>GPM-8212</b>	A.C. Power Meter
<b>GPM-8212 (RS-232C)</b>	A.C. Power Meter with RS-232C Interface
<b>GPM-8212 (RS-485)</b>	A.C. Power Meter with RS-485 Interface

### ACCESSORIES :

User manual x 1 , Power cord x 1

### OPTIONAL ACCESSORIES

**GTL-232** RS232C Cable, 9-pin Female to 9-pin, null Modem for Computer

### FREE DOWNLOAD

**PC Software** Remote Control Software (RS-232C)