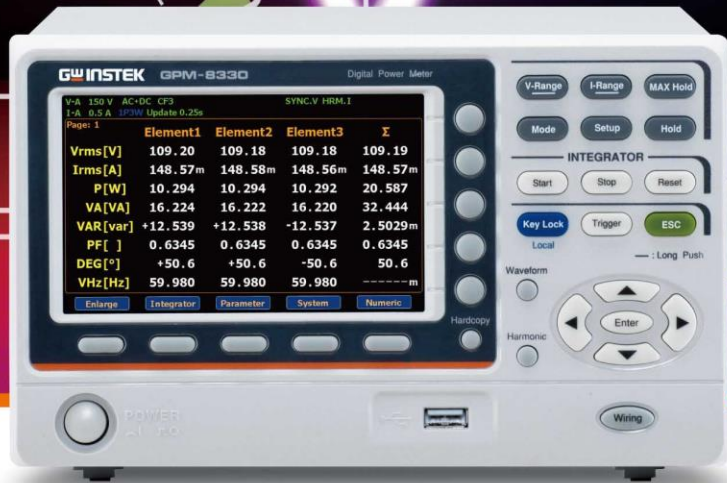
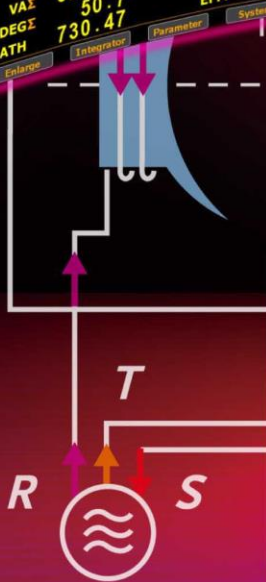


# 3 $\phi$



## GPM-8320/8330 Digital Power Meter

### FEATURES:

- ✖ 5" TFT LCD
- ✖ Voltage/Current Test Freq. Bandwidth: DC, 0.1Hz~ 100kHz
- ✖ **Waveform Display** : V (Voltage), I (Current), P (Wattage)
- ✖ Distorted wave Current/Voltage measurement: full range for CF=3, and half range for CF=6 (or 6A)
- ✖ Meeting IEC 61000-4-7 harmonic measurement (50/60Hz)
- ✖ **Wiring selecting button (1P3W,3P3W,3P4W,3V3A)**
- ✖ Harmonic measurement & analysis up to **50 orders**
- ✖ Auto ranging function for Integration mode
- ✖ Screen Capture through USB host
- ✖ Provide **external current sensor input (EXT1/EXT2)**
- ✖ Standard Interface: RS-232C, USB device/ host, LAN
- ✖ Optional Interface: GPM-DA12 - GPIB + Digital I/O (factory installed only)

## REAR PANEL



**GPM-8320 with opt. GPM-DA12**



**GPM-8330 with opt. GPM-DA12**

## SPECIFICATIONS

Model	GPM-8320	GPM-8330
Channel	2	3
Parameters	Vrms, Vmn, Vdc, Vac, Irms, Idc, Iac, P, VA, VAR, PF, CFI, CFV, DEG, IHz, VHz, V+pk, V-pk, I+pk, I-pk, P+pk, P-pk, THDI, THDV, MATH, MCR	
Input		
Voltage Range	15V/30V/60V/150V/300V/600V/1000Vrms (CF=3), 7 range	
Current Range	0.5A/1A/2A/5A/10A/20A (CF=3), 6 range	
Accuracy	DC, 0.1Hz to 45Hz: $\pm (0.1\% \text{ of reading} + 0.2\% \text{ of range})$ 45Hz to 66Hz: $\pm (0.1\% \text{ of reading} + 0.05\% \text{ of range})$ 66Hz to 1kHz: $\pm (0.1\% \text{ of reading} + 0.2\% \text{ of range})$ 1kHz to 10kHz: $\pm (0.07\% \text{ of reading} + 0.3\% \text{ of range})$ 10kHz to 100kHz: $\pm (0.5\% \text{ of reading} + 0.5\% \text{ of range}) \pm \{[0.04 \times (f-10)]\% \text{ of reading}$	
Harmonics Accuracy	10Hz to 45Hz: 0.15% of reading + 0.35% of range 45Hz to 440Hz: 0.15% of reading + 0.35% of range 440Hz to 1.2kHz: 0.15% of reading + 0.35% of range	
Voltage Input Resistance	2M $\Omega$	
Power		
Range	7.5W ~ 20kW (42 ranges)	
Accuracy	DC: $\pm (0.1\% \text{ of reading} + 0.2\% \text{ of range})$ 0.1Hz to 45Hz: $\pm (0.3\% \text{ of reading} + 0.2\% \text{ of range})$ 45Hz to 66Hz: $\pm (0.1\% \text{ of reading} + 0.05\% \text{ of range})$ 66Hz to 1kHz: $\pm (0.2\% \text{ of reading} + 0.2\% \text{ of range})$ 1kHz to 10kHz: $\pm (0.1\% \text{ of reading} + 0.3\% \text{ of range}) \pm \{[0.067 \times (f-1)]\% \text{ of reading}$ 10kHz to 100kHz: $\pm (0.5\% \text{ of reading} + 0.5\% \text{ of range}) \pm \{[0.09 \times (f-10)]\% \text{ of reading}$	
Frequency		
Range	DC, 0.1Hz ~ 100kHz	
Accuracy	$\pm (0.06\% \text{ of reading})$	
Frequency Source	Voltage or Current source selectable	
Others		
Display Resolution	5 Digits	
Display Update Rate	0.1s / 0.25s / 0.5s / 1s / 2s / 5s / 10s / 20s	
Interface	Standard: RS-232C/USB host & device/LAN Option: mini GPIB+Digital IO (GPM-DA12)	
Power Source	100~240V $\pm 10\%$ , 50/60Hz (Consumption: 35VA)	
Dimension & Weight	GPM-8320: 220 (W) x 132 (H) x 402.5 (D) mm; Approx. 3.4 kg GPM-8330: 220 (W) x 132 (H) x 402.5 (D) mm; Approx. 3.85 kg	

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