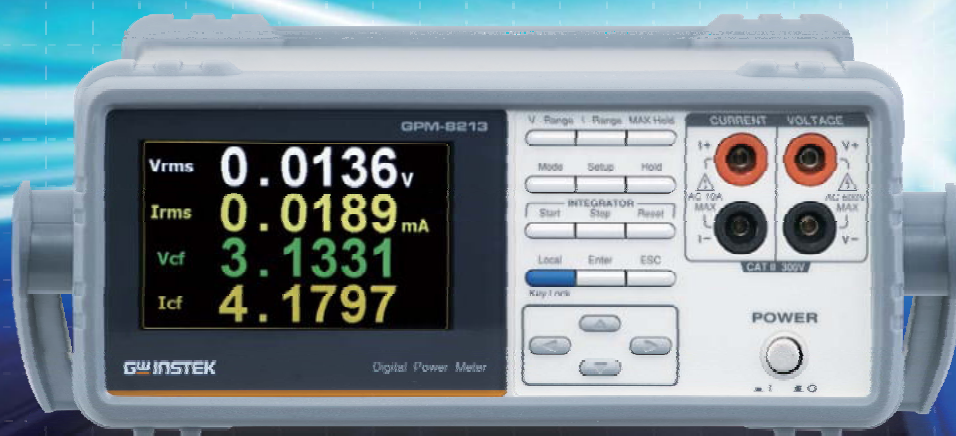


Time to Check Consumption



GPM-8213

Digital Power Meter



- 4" TFT LCD
- Basic Accuracy : $\pm(0.1\% \text{ of reading} + 0.1\% \text{ of range})$
- Two Data Display Modes
 - Standard Display : Displaying Two Major Measurement Items + Six Minor Measurement Items
 - Simple Display : Displaying Test Data of Four Different Measurement Items
- Met the Requirement of IEC 62301 Power Measurement
 - Voltage/Current Test Frequency Bandwidth : DC ~ 6kHz
 - Watt Resolution : 1mW
 - Current Resolution : 0.1 μ A
 - Current/Voltage Measurements Reach CF=3 for Distorted Wave and CF=6 for Half Range
 - W-h Power vs Time/A-h Current vs Time Integration Function
 - Total Harmonic Distortion Measurement
- Front Panel Test Terminal
- Standard Interfaces : RS-232C, USB Device, LAN
- Optional Test Fixture : GPM-001



SPECIFICATIONS

MEASUREMENT CHARACTERISTICS			CURRENT		
INPUT			ITEM		
ITEM RATING VOLTAGE	Voltage Current Current	Range	MEASUREMENT	CF=3	Range
RATING CURRENT		600 Vrms		CF=6	5mA, 10mA, 20mA, 50mA, 100mA, 200mA, 500mA, 1A, 2A, 5A, 10A, 20A
IMPEDANCE(50/60Hz)		20 Arms			2.5mA, 5mA, 10mA, 25mA, 50mA, 100mA, 250mA, 0.5A, 1A, 2.5A, 5A, 10A
		2.4 MΩ	CREST FACTOR ACCURACY	Effective Range	3 or 6 (selectable)
MAXIMUM VOLTAGE	Cutoff frequency	5mA~200mA:500 mΩ		DC	1% ~ 105% of range
MAXIMUM CURRENT		0.5A~20A: 5 mΩ		45Hz ≤ f ≤ 66Hz	±(0.2% of reading+0.2% of range)
MAXIMUM COMMON MODE VOLTAGE		700 Vrms		66Hz < f ≤ 1kHz	±(0.1% of reading+0.1% of range)
LOW PASS FILTER		25 Arms	TEMPERATURE EFFECT	1kHz < f ≤ 6kHz	±(0.1% of reading+0.2% of range)
PARAMETERS		300 V	RESIDUAL NOISE	Filter(ON)	±3% of reading
		500 Hz		5-18° C/28-40° C	Add 0.3% of reading@45Hz ~ 66Hz
					Add ±0.03% of reading/° C
					0.5% of range
POWER			POWER		
ITEM MEASUREMENT	Voltage Current Power Crest Factor Power Factor Frequency Angle Total Harmonic Distortion Integration	Symbol	ITEM		
		Vdc, Vrms, V+pk, V-pk	ACCURACY	Effective Range	Range
		Idc, Irms, I+pk, I-pk		DC	1% ~ 110% of range
		P, P+pk, P-pk, VA, Var		45Hz ≤ f ≤ 66Hz	±(0.2% of reading+0.2% of range)
	Standard Simple	CFV, CFV		66Hz < f ≤ 1kHz	±(0.1% of reading+0.1% of range)
		PF		1kHz < f ≤ 6kHz	±(0.1% of reading+0.3% of range)
		VHz, IHz	TEMPERATURE EFFECT	Filter(ON)	±3% of reading
		Deg	FREQUENCY	Filter(OFF)	Add 3% of reading@45Hz~66Hz
		THDV, THDI			Add ±0.03% of reading/° C
		Time, WP, WP+, WP-, q, q+, q-			
DISPLAY DIGITS		5 digits	ITEM		
FREQUENCY BANDWIDTH		DC, 45Hz~6kHz	MEASUREMENT	Filter(ON)	Range
AVERAGE		1, 2, 4, 8, 16, 32, 64		Filter(OFF)	30.000 Hz~499.99 Hz
PT RATE		1 ~ 9999.999	PARAMETER		30.000 Hz~9.9999 kHz
CT RATE		1 ~ 9999.999	EFFECTIVE RANGE		Voltage, Current
DISPLAY MODE		8 measurement Item	ACCURACY		10%~105% of voltage input
		4 measurement Item			±0.06% of reading
VOLTAGE			INTEGRATION		
ITEM RANGE	CF=3	Range	ITEM		
	CF=6	15V, 30V, 60V, 150V, 300V, 600V	INTERGRATION	Accuracy	Range
CREST FACTOR		7.5V, 15V, 30V, 75V, 150V, 300V	TIME	Range	±(voltage or current accuracy+0.1% of reading)
ACCURACY	Effective Range	3 or 6 (selectable)		Accuracy	0 hour 00 min ~ 9999 hour 59 min
	DC	1% ~ 105% of range			±0.01%±1second
	45Hz ≤ f ≤ 66Hz	±(0.2% of reading+0.2% of range)			
	66Hz < f ≤ 1kHz	±(0.1% of reading+0.1% of range)			
	1kHz < f ≤ 6kHz	±(0.1% of reading+0.2% of range)			
TEMPERATURE EFFECT	Filter(ON)	±3% of reading			
RESIDUAL NOISE	5-18° C / 28-40° C	Add 0.3% of reading@45Hz ~ 66Hz			
		Add ±0.03% of reading/° C			
		0.5% of range			

GENERAL INFORMATION

DISPLAY	4" TFT LCD
STANDARD INTERFACE	RS-232C, USB device, LAN
POWER SOURCE	AC 100~240 V, 50-60Hz
POWER CONSUMPTION	Max. 25VA
DIMENSION & WEIGHT	270(W) x 110(H) x 350(D) mm, Aapprox. 2.9kg

Specifications subject to change without notice. PM-8213CD1DS

ORDERING INFORMATION

GPM-8213 with GPIB	Digital Power Meter (RS-232C/USB device/LAN/Opt.01 GPIB)
GPM-8213	Digital Power Meter (RS-232C/USB device/LAN)

ACCESSORIES

Safety Sheet x 1, Power Cord x 1, Test Lead GTL-209 x 2
CD x 1 (User manual/ USB driver)

OPTION

Opt.01 GPIB card (factory installed)

OPTION ACCESSORIES

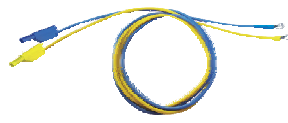
GPM-001	Test Fixture
GTL-232	RS-232 Cable, 9-pin Female to 9-pin, null Modem for Computer
GTL-246	USB Cable, A-B type, approx. 1200mm
GTL-248	GPIB Cable, approx. 2000mm
GTL-251	GPIB-USB-HS+ (high Speed)
GRA-422	Rack Adapter Panel (19", 2U)



GPM-001 Test Fixture



GPM-001(EU) Test Fixture



GTL-213 Test Lead



GTL-210 Test Lead

Global Headquarters

GOOD WILL INSTRUMENT CO., LTD.

No.7-1, Jhongsing Road, Tucheng Dist., New Taipei City 236, Taiwan
T +886-2-2268-0389 F +886-2-2268-0639
E-mail: marketing@goodwill.com.tw

China Subsidiary

GOOD WILL INSTRUMENT (SUZHOU) CO., LTD.

No. 521, Zhujiang Road, Snd, Suzhou Jiangsu 215011 China
T +86-512-6661-7177 F +86-512-6661-7277

Malaysia Subsidiary

GOOD WILL INSTRUMENT (SEA) SDN. BHD.

No. 1-3-18, Elit Avenue, Jalan Mayang Pasir 3,
11950 Bayan Baru, Penang, Malaysia
T +604-6111122 F +604-6115225

Europe Subsidiary

GOOD WILL INSTRUMENT EURO B.V.

De Run 5427A, 5504DG Veldhoven, THE NETHERLANDS
T +31 (0)40-2557790 F +31 (0)40-2541194

U.S.A. Subsidiary

INSTEK AMERICA CORP.

5198 Brooks Street Montclair, CA 91763, U.S.A.
T +1-909-399-3535 F +1-909-399-0819

Japan Subsidiary

TEXIO TECHNOLOGY CORPORATION.

7F Towa Fudosan Shin Yokohama Bldg., 2-18-13 Shin
Yokohama, Kohoku-ku, Yokohama, Kanagawa,
222-0033 Japan
T +81-45-620-2305 F +81-45-534-7181

Korea Subsidiary

GOOD WILL INSTRUMENT KOREA CO., LTD.

Room No.503, Gyeonginro 775 (Mullae-Dong 3Ga,
Ace Hightech-City B/D 1Dong), Yeongduengpo-Gu,
Seoul 150093, Korea.
T +82-2-3439-2205 F +82-2-3439-2207

India Subsidiary

GW INSTEK INDIA LLP.

No.2707/B&C, 1st Floor UNNATHI Building,
E-Block, Sahakara Nagar, Bengaluru-560 092, India
T +91-80-6811-0600 F +91-80-6811-0626

GW INSTEK

Simply Reliable



Website



Facebook



LinkedIn