GW Instek GPM-8213

GW Instek GPM-8213 Digital Power Meter

User Manual

1. Introduction

This manual provides comprehensive instructions for the safe and effective operation of the GW Instek GPM-8213 Digital Power Meter. The GPM-8213 is a high-precision instrument designed for measuring various power parameters in electrical systems. It features a 4-inch TFT LCD, a five-digit measurement display, and the capability to measure 19 different power parameters. This device is suitable for applications in research and development, design verification, and quality control.

Please read this manual thoroughly before operating the device to ensure proper usage and to prevent damage to the instrument or injury to personnel.

2. Safety Information

Observe the following safety precautions to prevent electric shock, injury, or damage to the instrument:

- Always connect the instrument to a properly grounded power outlet.
- Do not operate the instrument in wet or damp conditions.
- Ensure all connections are secure before applying power.
- Do not exceed the maximum input ratings specified for voltage and current.
- Refer to the rear panel warnings regarding input removal before opening the casing.
- Only qualified personnel should perform maintenance or repairs.

3. Product Overview

3.1 Front Panel

Figure 3.1: Front view of the GPM-8213 Digital Power Meter, showing the 4-inch TFT LCD display with measurement parameters like Vrms, Irms, Vcf, and Icf. The control buttons for mode, setup, hold, and integrator functions are visible, along with the current and voltage input terminals.

Figure 3.2: Front view of the GPM-8213 Digital Power Meter, displaying additional parameters such as V_Auto, I_Auto, Vcf, Icf, Ipp, and Vpp, illustrating the detailed measurement capabilities of the device. Buttons for 'Enlarge', 'Integral', and 'Parameter' are also visible on the screen.

The front panel features a 4-inch TFT LCD for displaying measurement results and settings. Navigation buttons allow users to select measurement modes, configure settings, and control integral functions. Dedicated input terminals for current (I+, I-) and voltage (V+, V-) are clearly labeled with maximum ratings.

3.2 Rear Panel

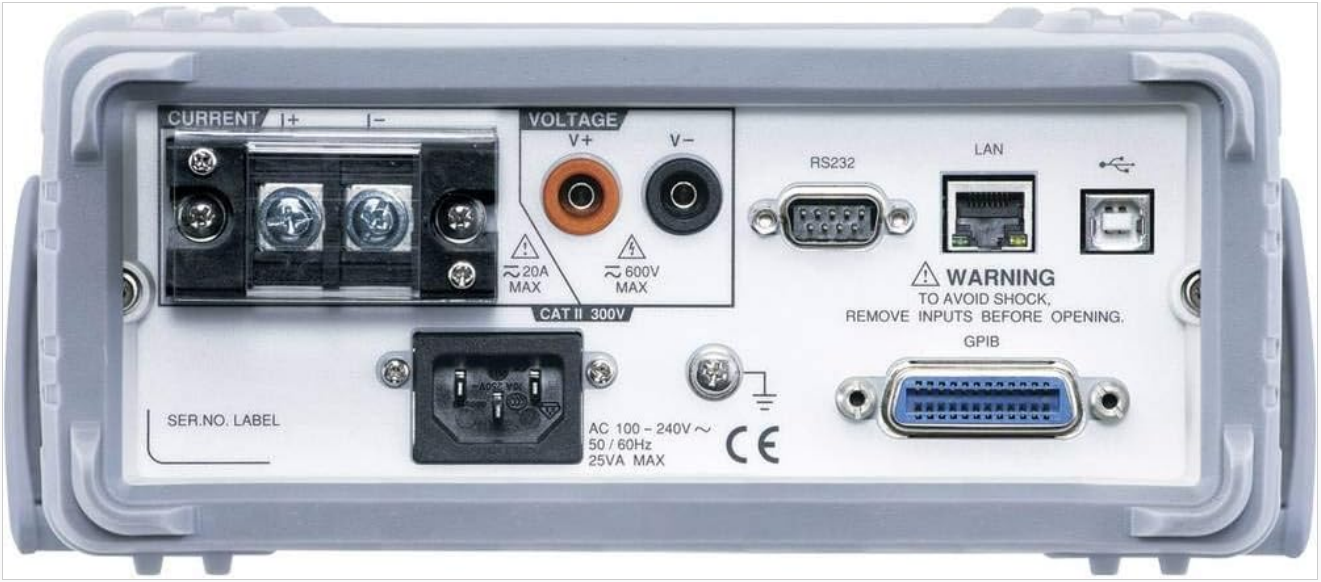


Figure 3.3: Rear view of the GPM-8213 Digital Power Meter, showing the current and voltage input terminals, the AC power inlet, and various communication interfaces including RS232, LAN, USB, and an optional GPIB port.

The rear panel provides additional input terminals for current and voltage, the AC power input, and various communication interfaces including RS-232C, LAN, and USB. An optional GPIB interface may also be present.

4. Setup

4.1 Power Connection

1. Ensure the power switch on the front panel is in the OFF position.
2. Connect the supplied AC power cord to the power inlet on the rear panel.
3. Plug the other end of the power cord into a grounded AC power outlet (100-240V AC, 50/60Hz).

4.2 Input Terminal Connections

Connect the device under test (DUT) to the appropriate input terminals. The GPM-8213 offers both front and rear panel input terminals.

- **Voltage Input:** Connect the voltage leads from the DUT to the V+ and V- terminals. Observe polarity. Maximum input voltage is 600V AC.
- **Current Input:** Connect the current leads from the DUT to the I+ and I- terminals. Observe polarity. The front panel supports up to 10A AC, while the rear panel terminals support up to 20A AC.
- Ensure that the current and voltage inputs are connected correctly to avoid damage to the meter or the DUT.

4.3 Communication Interfaces

The GPM-8213 supports several communication interfaces for data retrieval and remote control:

- **USB:** Connect a USB cable from the meter to a computer for virtual COM port communication.
- **RS-232C:** Use an RS-232C cable to connect to a computer or other serial device.
- **LAN:** Connect an Ethernet cable for network communication.
- **GPIB (Optional):** If installed, use a GPIB cable for instrument control in automated test setups.

5. Operating Instructions

5.1 Power On/Off

1. Press the 'POWER' button on the front panel to turn the instrument ON.

2. Press the 'POWER' button again to turn the instrument OFF.

5.2 Display Modes

The GPM-8213 offers two primary display modes:

- **Simple Mode:** Displays four conventional power measurement parameters for quick and clear readings, ideal for manufacturing process tests.
- **Standard Mode:** Extends the display to a maximum of 8 measurement parameters (2 major measurements + 6 monitor measurements), suitable for R&D, design, and quality verification applications.

Use the 'Mode' button to switch between display modes.

5.3 Parameter Measurement

The GPM-8213 provides 19 power measurement parameters, including:

- Voltage: Vrms, V+pk, V-pk
- Current: Irms, I+pk, I-pk
- Frequency: VHz, IHz
- Power: P, P+pk, P-pk
- Crest Factor: CFV, CFI
- Apparent Power (VA), Reactive Power (VAR), Power Factor (PF), Phase Angle (DEG)
- Total Harmonic Distortion: THDV, THDI

Navigate through parameters using the arrow keys and select them for display or analysis via the 'Setup' menu.

5.4 Integral Measurement Function

The integral measurement function allows for the accumulation of energy over time. Use the 'INTEGRATOR' controls (Start, Stop, Reset) to manage this function.

5.5 Standby Power Consumption Test

For DUTs requiring IEC 62301/EN 50564 standby power consumption tests, the GPM-8213 offers specific support:

- Test frequency bandwidth: DC~6kHz
- Minimum current level: 5mA (resolution: 0.1uA)
- Power measurement resolution: 1uW for minimum current and voltage levels.

Refer to the detailed settings in the 'Setup' menu for configuring these specific tests.

6. Maintenance

6.1 Cleaning

To clean the instrument, disconnect it from all power sources and inputs. Use a soft, dry cloth. For stubborn dirt, a cloth lightly dampened with water or a mild detergent may be used. Do not use abrasive cleaners or solvents.

6.2 Calibration

The GPM-8213 is factory calibrated. For continued accuracy, periodic calibration by qualified service personnel is recommended. Refer to GW Instek's service guidelines for recommended calibration intervals.

6.3 Storage

When not in use, store the instrument in a clean, dry environment, away from direct sunlight and extreme temperatures. Use the original packaging or a suitable protective case for transport.

7. Troubleshooting

This section addresses common issues you might encounter with the GPM-8213.

- **No Power:**
  - Check if the power cord is securely connected to both the instrument and the AC outlet.
  - Verify that the AC outlet is supplying power.
  - Ensure the power switch is in the ON position.
- **Incorrect Readings:**
  - Confirm that the voltage and current input leads are correctly connected to the DUT and the meter's terminals, observing polarity.
  - Check if the selected measurement range is appropriate for the input signal.
  - Ensure the DUT is functioning correctly.
- **Communication Issues (USB/RS-232C/LAN):**
  - Verify cable connections.
  - Ensure correct driver installation for USB (if required).
  - Check communication settings (baud rate, parity, data bits) on both the meter and the connected device.
  - For LAN, confirm network connectivity and IP address settings.

If the issue persists after attempting these steps, contact GW Instek customer support.

8. Specifications

Parameter	Specification
Model Number	GPM-8213
Display	4" TFT LCD, five-digit measurement
Measurement Parameters	19 (Vrms/V+pk/V-pk, Irms/I+pk/I-pk, VHz/IHz, P/P+pk/P-pk, CFV/CFI, VA, VAR, PF, DEG, THDV/THDI)
Voltage Measurement Accuracy	Reading: ±0.1%; Level: ±0.1%
Current Measurement Accuracy	Reading: ±0.1%; Level: ±0.1%
Power Measurement Accuracy	Reading: ±0.1%; Level: ±0.1%
Voltage Input Range	Max 600V AC
Current Input Range	Front: Max 10A AC; Rear: Max 20A AC
Frequency Bandwidth	DC~6kHz
Minimum Current Level	5mA (resolution: 0.1uA)

Parameter	Specification
Power Measurement Resolution	1uW (for minimum current and voltage levels)
Interfaces	RS-232C, USB (virtual COM), LAN, GPIB (optional)
Power Source	AC 100-240V, 50/60Hz, 25VA Max
Dimensions (L x W x H)	13.78 x 10.63 x 4.33 inches (350 x 270 x 110 mm)
Item Weight	6.6 pounds (3 kg)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-10°C to 70°C (14°F to 158°F)

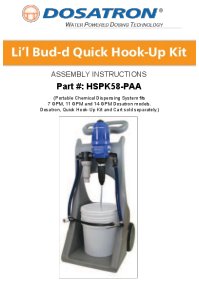
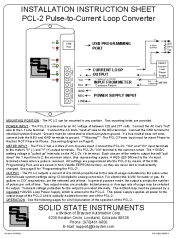
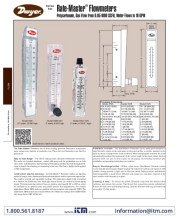
9. Warranty and Support

The GW Instek GPM-8213 Digital Power Meter is covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official GW Instek website for detailed warranty terms and conditions.

For technical support, service, or inquiries regarding your product, please contact GW Instek customer service through their official website or the contact information provided in your product documentation.

Related Documents - GPM-8213

	GW Instek GPM-8213 Digital Power Meter User Manual User manual for the GW Instek GPM-8213 Digital Power Meter, detailing its features, operation, safety, and technical specifications for precise electrical power measurement.
	GW Instek GOM-804 & GOM-805 DC Milli-Ohm Meter User Manual User manual for the GW Instek GOM-804 and GOM-805 DC Milli-Ohm Meters. This guide provides detailed information on features, operation, safety instructions, and specifications for precise low resistance measurements.

	Li'l Bud-d Quick Hook-Up Kit Assembly Instructions Assembly instructions for the Li'l Bud-d Quick Hook-Up Kit (Part # HSPK58-PAA), a portable chemical dispensing system compatible with Dosatron models.
	PCL-2 Pulse-to-Current Loop Converter: Installation and Operation Guide Detailed instructions for installing, configuring, and operating the Solid State Instruments PCL-2 Pulse-to-Current Loop Converter. Covers General Purpose, Electric, Water, and Gas modes with application examples and programming details.
	Dwyer Rate-Master® Flowmeters: Specifications, Features, and Ordering Guide Comprehensive technical specifications, features, and ordering information for Dwyer Instruments' Rate-Master® Series RM polycarbonate flowmeters, suitable for gas and liquid measurement.
	Ariston Aures Pro Electric Tankless Water Heater Installation Manual Comprehensive installation and user manual for Ariston Aures Pro electric tankless water heaters. Covers safety, installation, operation, maintenance, and troubleshooting for 18kW (3.51 GPM), 24kW (4.68 GPM), 27kW, and 36kW (7.02 GPM) models. Includes important safety warnings and technical specifications.

Documents - GW Instek – GPM-8213

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GW Instek **GPM-8213** Digital Power Meter New Product Announcement This document allows GW Instek s partners to quickly grasp product s main features, FAB and ordering information. ISO-9001 CERTIFIED MANUFACTURER GOOD WILL INSTRUMENT CO., LTD. T E **GPM-8213** Digital Power Meter L : New Product A...

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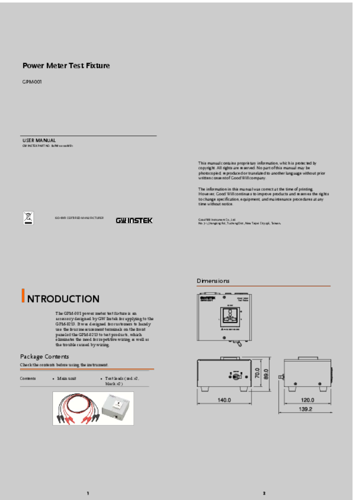

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Power Meter Test Fixture GPM-001 USER MANUAL GW INSTEK PART NO. 82PM-00100MB1 ISO-9001 CERTIFIED MA ... ION The GPM-001 power meter test fixture is an accessory designed by GW Instek for applying to the **GPM-8213**. It was designed for customers to handy use the four measurement terminals on the front pan...

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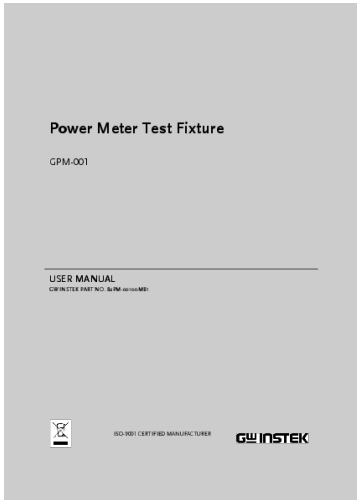

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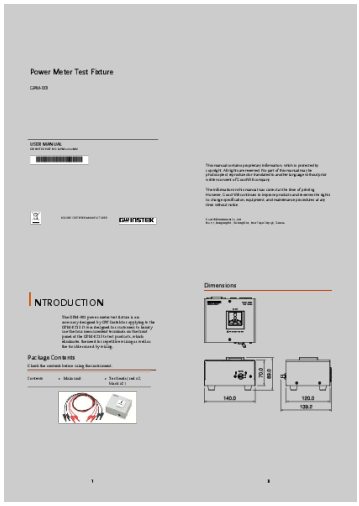

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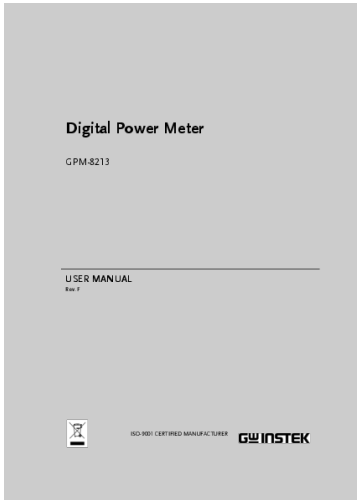

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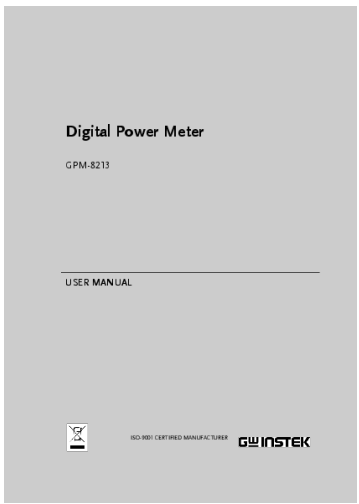

GW Instek GPM-8213 Digital Power Meter User Manual

User manual for the GW Instek GPM-8213 Digital Power Meter, detailing its features, operation, safety, and technical specifications for precise electrical power measurement.

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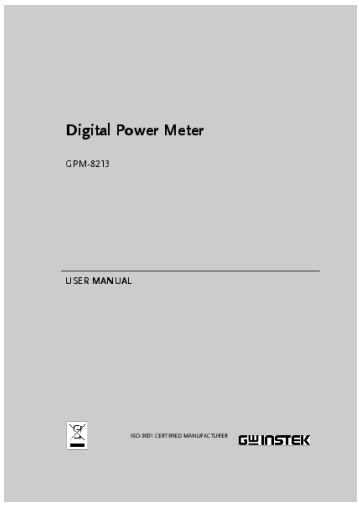

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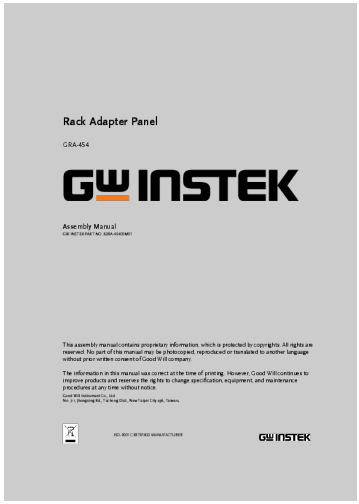

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Rack Adapter Panel GRA-454 Assembly Manual GW INSTEK PART NO. 82RA-45400M01 This assembly manual con ... erview The GRA-454 rack mount is suited for several models including of DAQ-9600/GDM-82XX/GDM-906X, **GPM-8213**. The GRA-454 is specifically designed to hold one or two units and fits in a standard 19 2...

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GWInstek 449 2560 GW Instek QA, QC , LAB, , , MDO-2000E Series , , , Multi-Functional Mixed Domain Oscilloscope PEL-3000E Series **GPM-8213** MSO-2000 Series MFG-2000 Series LCR-6000 Series LCR : 08-1832-7016, 087-717-5987 Audio DAC Project Media contro...

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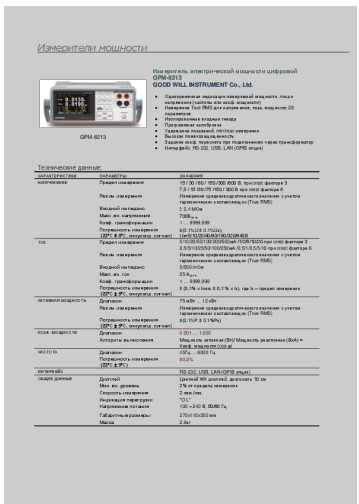

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USB Device LAN SPECIFICATIONS MEASUREMENT CHARACTERISTICS INPUT ITEM RATING VOLTAGE RATING CUR ... reading Add 0.3 of reading 45Hz - 66Hz Add 0.03 of reading/C 0.5 of range ORDERING INFORMATION **GPM-8213** with GPIB Digital Power Meter RS-232C/USB device/LAN/Opt.01 GPIB **GPM-8213** Digital Power ...

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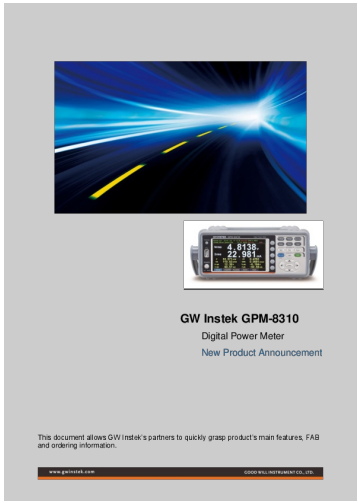
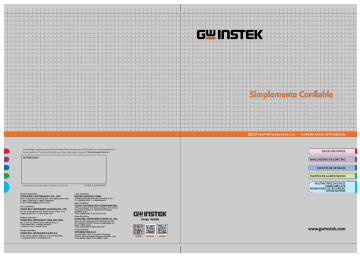


[pdf]

p GW Instek GPM 8310 Computer Controls Group is a digital power meter for single phase 1P 2W AC measurement Features include DC 0 1Hz~100kHz test bandwidth 16bits A D and NPI Announcement E0 ccontrols net cms upload Site PL GwInstek

GW Instek GPM-8310 Digital Power Meter New Product Announcement This document allows GW Instek s par ... represents no such function or function not available Company GW Instek GPM-8310 GW Instek **GPM-8213** Display Input Terminal Freq. Range Sample Rate 5 TFT LCD Rear DC, 0.1-100kHz 300 kHz 4 ...

lang:en score:23 filesize: 1013.86 K page_count: 18 document date: 2020-07-06

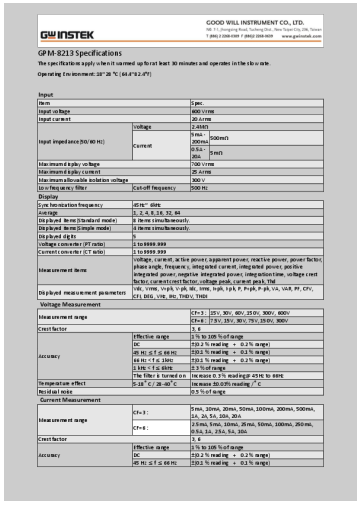


[pdf] Datasheet Catalog

S1 202007SF P00 10 USA cdr Michelle Yang Catalogo GW Instek finaltest mx v vspfiles assets datasheet

Este catlogo compacto presenta las principales lneas de productos de GW Instek con una breve explica ... e Seguridad Elctrica Serie LCR-8200 Medidor LCR de Alta Frecuencia GOM-804/805 D.C. Milliohmmetro **GPM-8213** Medidor Digital de Potencia MULTMETROS DIGITALES/METROS LCR/PRUEBAS DE SEGURIDAD/OTROS MED...

lang:es score:22 filesize: 31.93 M page_count: 12 document date: 2020-07-31

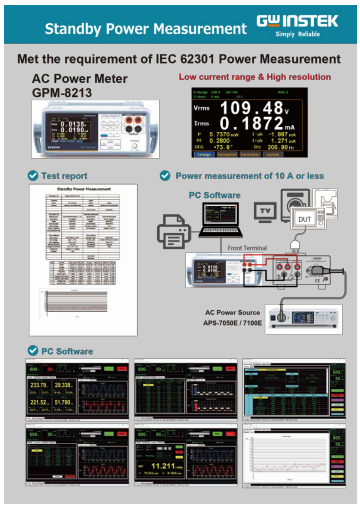


[pdf] Specifications Datasheet

pr5 Техническое описание GW INSTEK GPM 8213G Анализатор качества электроэнергии 1 фаза — купить в интернет магазине Conrad Москве и Санкт Петербурге доставка по всей России datasheet 1782002 gw instek gpm 8213g network diagnostics phase asset conrad media10 add 160267 c1 en 001782002DS01 |||

GPM-8213 Specifications The specifications apply when it warmed up for at least 30 minutes and operates in the slow rate. Operating Environment: 18-28 C 64.4-82.4F Input Item Spec. Input voltage 600 Vrms Input current 20 Arms Voltage 2.4M Input impedance 50/60 Hz Current 5mA 200mA 50...

lang:en score:18 filesize: 248.84 K page_count: 2 document date: 2018-08-22

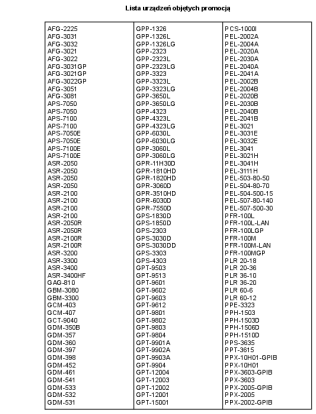


[pdf] Test Report

GPM Stanby Power measurement A4 Messung der Standby Leistung GW Instek 8213 gpm stanby power a4 calplus de fileuploader d 0 file custom upload |||

Met the requirement of IEC 62301 Power Measurement AC Power Meter **GPM-8213** Low current range High resolution Test report PC Software Power measurement of 10 A or less PC Software 65 SPOU5FSNJOBM VOLTAGE CURRENT WARNING TO AVOID SHOCK, REMOVE INPUTS BEFORE OPENING AC IN CAT II 300V ...

lang:en score:18 filesize: 329.31 K page_count: 1 document date: 2019-03-11



Lista urządzeń objętych promocją

AFG-2225	GPP-1326	PCS-1000
AFG-3031	GPP-1326L	PEL-2002A
AFG-3032	GPP-1326LG	PEL-2004A
AFG-3021	GPP-2323	PEL-2020A
AFG-3022	GPP-2323L	PEL-2030A
AFG-3031GP	GPP-2323LG	PEL-2040A
AFG-3021GP	GPP-3323	PEL-2041A
AFG-3022GP	GPP-3323L	PEL-2062B
APS-3051	GPP-3323LG	PEL-2004B
APS-3081	GPP-3650L	PEL-2020B
APS-7050	GPP-3650LG	PEL-2030B
APS-7050	GPP-4323	PEL-2040B
APS-7100	GPP-4323L	PEL-2041B
APS-7100	GPP-4323LG	PEL-3021
APS-7050E	GPP-6030L	PEL-3031E
APS-7050E	GPP-6030LG	PEL-3032E
APS-7100E	GPP-3060L	PEL-3041
APS-7100E	GPP-3060LG	PEL-3021H
ASR-2050	GPR-11H30D	PEL-3041H
ASR-2050	GPR-1810HD	PEL-3111H
ASR-2050	GPR-1820HD	PEL-503-80-50
ASR-2050	GPR-3060D	PEL-504-80-70
ASR-2100	GPR-3510HD	PEL-504-500-15
ASR-2100	GPR-6030D	PEL-507-80-140
ASR-2100	GPS-7550D	PEL-507-500-30
ASR-2100	GPS-1850D	PFR-100L
ASR-2050R	GPS-2303	PFR-100L-LAN
ASR-2050R	GPS-3030D	PFR-100LDP
ASR-2100R	GPS-3030DD	PFR-100M
ASR-2100R	GPS-3030DD	PFR-100M-LAN
ASR-3200	GPS-3303	PFR-100MP
ASR-3300	GPS-4303	PLR 20-18
ASR-3400	GPT-9503	PLR 20-36
ASR-3400HF	GPT-9513	PLR 36-10
GAG-810	GPT-9601	PLR 36-20
GBM-3080	GPT-9602	PLR 60-6
GBM-3300	GPT-9603	PLR 60-12
GCM-403	GPT-9612	PPE-3323
GCM-407	GPT-9801	PPH-1503
GCT-9040	GPT-9802	PPH-1503D
GDM-350B	GPT-9803	PPH-1506D
GDM-357	GPT-9804	PPH-1510D
GDM-360	GPT-9901 A	PPS-3635
GDM-397	GPT-9902A	PPT-3615
GDM-398	GPT-9903A	PPX-10H01-GPIB
GDM-452	GPT-9904	PPX-10H01
GDM-461	GPT-12004	PPX-3603-GPIB
GDM-541	GPT-12003	PPX-3603
GDM-533	GPT-12002	PPX-2005-GPIB
GDM-532	GPT-12001	PPX-2005
GDM-531	GPT-15001	PPX-2002-GPIB

[pdf]

01 12 2024 Do odwołania GW Darmowe Wzorcowanie gw instek darmowe wzorcowanie zalacznik 1 merserwis pl images promocje regulaminy |||

AFG-2225 AFG-3031 AFG-3032 AFG-3021 AFG-3022 AFG-3031GP AFG-3021GP AFG-3022GP AFG-3051 AFG-3081 APS- ... 40-54 PSW40-81 PSW800-1.44 PSW800-2.88 PSW800-4.32 PSW80-13.5 PSW80-27 GPE-2323 GPE-3323 GPE-4323 **GPM-8213** GPM-8310 GPM-8310 DA4 GPM-8320 CE GPM-8320 CE GPIB/DA12 GPM-8330 CE GPM-8330 CE G...

lang:i-klingon score:17 filesize: 40.2 K page_count: 3 document date: 0000-00-00

AC Power Meter

GPM-8212

USER M ANUAL

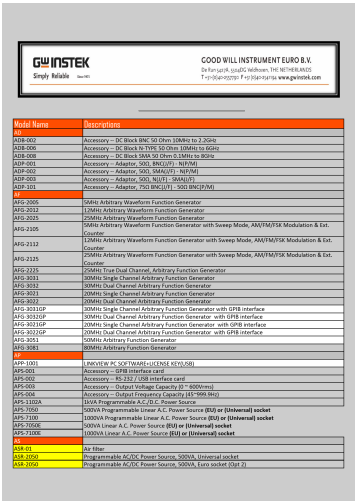
GW INSTEK

[pdf] User Manual Specifications

untitled وات متر GPM 8213 1005 فروشگاه تکترونیکس orig tektronix ir Content media image 2022 07 |||

AC Power Meter GPM-8212 USER MANUAL GW INSTEK PART NO. 82PM-82120MB ISO-9001 CERTIFIED MANUFACTURER This manual contains proprietary information, which is protected by copyrights. All rights are reserved. No part of this manual may be photocopied, reproduced or translated to another language withou...

lang:en score:17 filesize: 273.22 K page_count: 14 document date: 2018-11-28



GW INSTEK

Simply Reliable

GOOD WILL INSTRUMENT EURO B.V.

Model Name	Descriptions
AD	
ADB-002	Accessory -- DC Block BNC 50 Ohm 10MHz to 2.2GHz
ADB-006	Accessory -- DC Block N-TYPE 50 Ohm 10MHz to 6GHz
ADB-008	Accessory -- DC Block SMA 50 Ohm 0.5MHz to 8GHz
ADP-001	Accessory -- Adaptor, 50Ω, BNC(J/F) - N(F/M)
ADP-002	Accessory -- Adaptor, 50Ω, SMA(J/F) - N(F/M)
ADP-003	Accessory -- Adaptor, 50Ω, N(J/T) - SMA(J/T)
ADP-101	Accessory -- Adaptor, 75Ω BNC(J/F) - 50Ω BNC(F/M)
AF	
AFG-2005	5MHz Arbitrary Waveform Function Generator
AFG-2012	12MHz Arbitrary Waveform Function Generator
AFG-2025	25MHz Arbitrary Waveform Function Generator
AFG-2105	5MHz Arbitrary Waveform Function Generator with Sweep Mode, AM/FM/FSK Modulation & Ext. Counter
AFG-2112	12MHz Arbitrary Waveform Function Generator with Sweep Mode, AM/FM/FSK Modulation & Ext. Counter
AFG-2125	25MHz Arbitrary Waveform Function Generator with Sweep Mode, AM/FM/FSK Modulation & Ext. Counter
AFG-2225	25MHz True Dual Channel, Arbitrary Function Generator
AFG-3021	20MHz Single Channel Arbitrary Function Generator
AFG-3032	30MHz Dual Channel Arbitrary Function Generator
AFG-3021	20MHz Single Channel Arbitrary Function Generator
AFG-3022	20MHz Dual Channel Arbitrary Function Generator
AFG-3031GP	30MHz Single Channel Arbitrary Function Generator with GPIB interface
AFG-3032GP	30MHz Dual Channel Arbitrary Function Generator with GPIB interface
AFG-3021GP	20MHz Single Channel Arbitrary Function Generator with GPIB interface
AFG-3022GP	20MHz Dual Channel Arbitrary Function Generator with GPIB interface
AFG-3051	50MHz Arbitrary Function Generator
AFG-3081	80MHz Arbitrary Function Generator
AP	
APP-1001	LINKVIEW PC SOFTWARE+LICENSE KEY(USB)
APS-001	Accessory -- GPIB interface card
APS-002	Accessory -- RS-232 / USB interface card
APS-003	Accessory -- Output Voltage Capacity (0 ~ 600Vrms)
APS-004	Accessory -- Output Frequency Capacity (45~999.9Hz)
APS-1102A	1kVA Programmable A.C./D.C. Power Source
APS-7050	500VA Programmable Linear A.C. Power Source (EU) or (Universal) socket
APS-7100	1000VA Programmable Linear A.C. Power Source (EU) or (Universal) socket
APS-7050E	500VA Linear A.C. Power Source (EU) or (Universal) socket
APS-7100E	1000VA Linear A.C. Power Source (EU) or (Universal) socket
AS	
ASK-01	Air filter
ASR-2050	Programmable AC/DC Power Source, 500VA, Universal socket
ASR-2050	Programmable AC/DC Power Source, 500VA, Euro socket (Opt 2)

[pdf] Accessories

Full list 2020 procontrol hu images products 350310 A Procontrol Kft a Good Will Instruments GW Instek mérőműszerek hivatalos magyarországi viszonteladója és szervize Model Name Descriptions GWInstek LCR 916 100kHz Handheld Meter 900 Series GFG 8250A Analóg függvénygenerátor kifutó GDS 1022 Digitális oszcilloszkóp kifutott |||

Model Name AD ADB-002 ADB-006 ADB-008 ADP-001 ADP-002 ADP-003 ADP-101 AF AFG-2005 AFG-2012 AFG-2025 ... F-700 Accessory -- Protection Films for 7 Touch Screen GPL-5010 Accessory -- Transient Limiter **GPM-8213** Digital Power Meter RS-232C/USB device/LAN **GPM-8213**G Digital Power Meter RS-232C/USB de...

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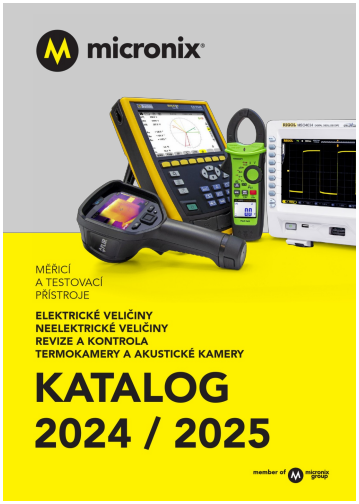


micronix

MĚŘICÍ
A TESTOVACÍ
PŘÍSTROJE

ELEKTRICKÉ VELIČINY
NEELEKTRICKÉ VELIČINY
REVIZE A KONTROLA
TERMOKAMERY A AKUSTICKÉ KAMERY

KATALOG
2024 / 2025

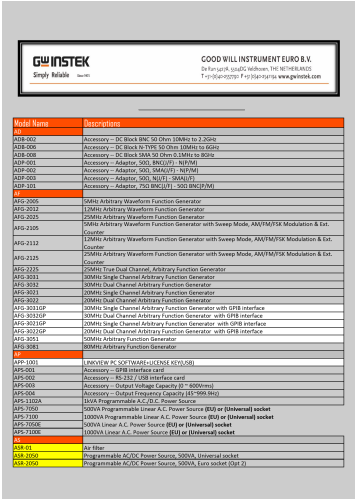
member of micronix group

[pdf]

Katalog měřicí techniky Micronix 2024 2025 Libor Diviš katalog micronix 25 web cz user documents upload Soubory |||

MIC A TESTOVAC PSTROJE ELEKTRICK VELICINY NEELEKTRICK VELICINY REVIZE A KONTROLA TERMOKAMERY A AKUST ... USB, Ethernet, RS-232 www.micronix.cz 9 ELEKTRICK VELICINY Wattmetry a analyztory st GW Instek **GPM-8213** GPIB Stoln wattmetr do 6 kW, s rozlisenm 1 mW Displej 4 TFT LCD, se dvma rezimy zobrazen...

lang:it score:12 filesize: 15.48 M page_count: 75 document date: 2024-03-13



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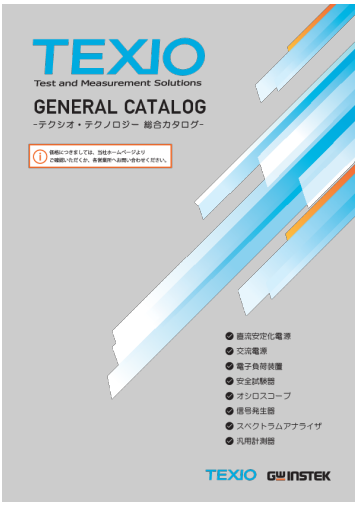
APS-7050E	500VA Linear A.C. Power Source **(EU) or (Universal) socket**
APS-7100E	1000VA Linear A.C. Power Source **(EU) or (Universal) socket**
AS	
ASR-01	Air filter
ASR-2050	Programmable AC/DC Power Source, 500VA, Universal socket
ASR-2050	Programmable AC/DC Power Source, 500VA, Euro socket (Opt 2)

[pdf] Accessories

A Procontrol Kft a Good Will Instruments GW Instek mérőműszerek hivatalos magyarországi viszonteladója és szervizeA szervizeModel Name Descriptions ProcontrolModel DescriptionsGWInstek LCR 916 100kHz Handheld Meter 900 Series ProcontrolGWInstek GFG 8250A Analóg függvénygenerátor kifutó GDS 1022 Digitális oszcilloszkóp kifutott ProcontrolGCL 001 Accessory Vertical Calibration Cable GCM 403 Digital Clamp 407 with True RMS Measurement GCP 020 Accessory Model AD ADB 002 DC Block BNC 50 Ohm 10MHz to 2 2GHz 006 N TYPE 6GHz 008 SMA 1MHz 8GHzLogikai analizátorok ProcontrolFull list 2020Full 2020procontrol hu images products 350310 Full 2020 |||

Model Name AD ADB-002 ADB-006 ADB-008 ADP-001 ADP-002 ADP-003 ADP-101 AF AFG-2005 AFG-2012 AFG-2025 ... F-700 Accessory -- Protection Films for 7 Touch Screen GPL-5010 Accessory -- Transient Limiter **GPM-8213** Digital Power Meter RS-232C/USB device/LAN **GPM-8213**G Digital Power Meter RS-232C/USB de...

lang:en score:11 filesize: 588.58 K page_count: 0 document date:



[pdf] Guide Catalog

GENERAL CATALOG 2CH 1μHz 20MHz × 86 AFG 3031 1CH 250V 0 25A 38 131 PA250 42B 250V JKS2311K texio co jp 2023 12 |||

GENERAL CATALOG 9 : PP KWWSZZZWH LRFRMS 7 ;,27 ... 4 GOM-805 GP-600B GPD-2303S GPD-3303S GPD-4303S GPE-2323 GPE-3323 GPE-4323 GPF-700 GPL-5010 GPM-001 **GPM-8213** 58 0.1Hz-5MHz 88 2CH20MHz 84 1Hz-50MHz 94 80V 123 300V 123 90V 123 GDS-30...

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