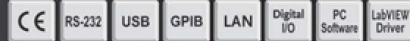


PANEL INTRODUCTION

- The 11 measurement functions can be selected at a button press; making operations easy and intuitive.
- Dual VFD displays show the results of two different measurement functions simultaneously
- Both 2-Wire and 4-Wire resistance measurements are supported. The low current measurement and high current measurement are made through different inputs
- Two low DC current ranges (100 μ A and 1mA) are available for high resolution measurements down to 100pA detail
- A number of built-in math functions are included: MX+B, 1/X, % and statistics (max/min/average/standard deviation)
- Either GPIB or LAN communication is supported as optional
- Flexible-sized screw terminals on scanner card to support a wide range of wire gauges for flexible compatibility
- The Digital I/O port sends out a signal of compare measurement result for external devices control. Additionally, the Digital I/O port can also be used as a power source for TTL & COMS logic.
- USB and RS-232C communication ports facilitate the high speed communication



Accuracy : \pm (% of reading + % of range) for 1-hour warm-up at 6 1/2 digits, slow mode

DC SPECIFICATIONS

FUNCTION	Range ^{(*)1}	Resolution	Test Current or etc.	24 Hours 23°C \pm 1°C	90 Days 23°C \pm 5°C	1 Year 23°C \pm 5°C	Temperature Coefficient 0°~18°C /28°~55°C
DC VOLTAGE	100.0000 mV	0.1 μ V	10M Ω or >10G Ω	0.0030 + 0.0030	0.0040 + 0.0035	0.0050 + 0.0035	0.0005 + 0.0005
	1.000000 V	1 μ V	10M Ω or >10G Ω	0.0015 + 0.0004	0.0020 + 0.0005	0.0035 + 0.0005	0.0005 + 0.0001
	10.00000 V	10 μ V	11.11M Ω \pm 1%	0.0020 + 0.0006	0.0030 + 0.0007	0.0040 + 0.0007	0.0005 + 0.0001
	100.0000 V	0.1mV	10.1M Ω \pm 1%	0.0020 + 0.0006	0.0035 + 0.0006	0.0045 + 0.0006	0.0005 + 0.0001
	1000.000 V	1mV	10.1M Ω \pm 1%	0.0020 + 0.0006	0.0035 + 0.0010	0.0045 + 0.0010	0.0005 + 0.0001
RESISTANCE ^{(*)2}	100.0000 Ω	100 μ Ω	1 mA	0.030 + 0.030	0.008 + 0.004	0.010 + 0.004	0.0008 + 0.0005
	1.000000 k Ω	1m Ω	1 mA	0.020 + 0.005	0.008 + 0.001	0.010 + 0.001	0.0008 + 0.0001
	10.00000 k Ω	10m Ω	100 μ A	0.020 + 0.005	0.008 + 0.001	0.010 + 0.001	0.0008 + 0.0001
	100.0000 k Ω	100m Ω	10 μ A	0.020 + 0.0051	0.008 + 0.001	0.010 + 0.001	0.0008 + 0.0001
	1.000000 M Ω	1 Ω	3.5 μ A	0.020 + 0.0010	0.008 + 0.001	0.010 + 0.001	0.0010 + 0.0002
	10.00000 M Ω	10 Ω	350 nA	0.0150 + 0.0010	0.020 + 0.001	0.040 + 0.001	0.0030 + 0.0004
	100.0000 M Ω	100 Ω	350 nA//10 M Ω	0.3000 + 0.0100	0.800 + 0.010	0.800 + 0.010	0.1500 + 0.0002
	DC CURRENT	100.0000 μ A	100pA	< 0.015 V	0.010 + 0.020	0.04 + 0.025	0.05 + 0.025
1.000000 mA	1nA	< 0.15 V	0.007 + 0.005	0.03 + 0.005	0.05 + 0.005	0.002 + 0.0005	
10.00000 mA	10nA	< 0.07 V	0.005 + 0.010	0.03 + 0.020	0.05 + 0.020	0.002 + 0.0020	
100.0000 mA	0.1 μ A	< 0.7 V	0.010 + 0.004	0.03 + 0.005	0.05 + 0.005	0.002 + 0.0005	
1.000000 A	1 μ A	< 0.8 V	0.050 + 0.006	0.08 + 0.010	0.10 + 0.010	0.005 + 0.0010	
10.00000 A	10 μ A	< 0.5 V	0.100 + 0.008	0.12 + 0.008	0.15 + 0.008	0.005 + 0.0008	
CONTINUITY ^{(*)3}	1000.000 Ω	0.001 Ω	1 mA	0.002 + 0.030	0.008 + 0.030	0.010 + 0.030	0.001 + 0.002
DIODE TEST ^{(*)3}	1.000000 V	1 μ V	1 mA ^{(*)4}	0.002 + 0.010	0.008 + 0.020	0.010 + 0.020	0.001 + 0.002

Note : ^{(*)1} 20% overrange on all ranges, except 1000 Vdc/750Vac, 10A range and Continuity.
^{(*)2} Specifications are for 4-wire ohms function, or 2-wire ohms using REL function.
^{(*)3} Accuracy specifications are for the voltage measured at the input terminals only.
^{(*)4} Variation in the current source will create some variation in the voltage drop across a diode junction.

^{(*)5} Specifications are for sinewave input >5% of range.
^{(*)6} 750 Vac range limited to 100 kHz
^{(*)7} Typically 30% of reading error at 1 MHz.
^{(*)8} Input > 100 mV. For 10 mV to 100 mV inputs, multiply % of reading error x10.
^{(*)9} Specifications do not include probe accuracy and relative to simulated junction

AC SPECIFICATIONS

FUNCTION	Range ^(*)	Resolution	Frequency or etc.	24 Hours 23°C ± 1°C	90 Days 23°C ± 5°C	1 Year 23°C ± 5°C	Temperature Coefficient 0°-18°C / 28°-55°C
TRUE RMS AC VOLTAGE ^(*)	100.0000mV	0.1 μV	3Hz-5Hz 5Hz-10Hz 10Hz-20kHz 20kHz-50kHz 50kHz-100kHz 100kHz-300kHz(*)	1.00+0.03 0.35+0.03 0.04+0.03 0.10+0.05 0.55+0.08 4.00+0.50	1.00+0.04 0.35+0.04 0.05+0.04 0.11+0.05 0.60+0.08 4.00+0.50	1.00+0.04 0.35+0.04 0.06+0.04 0.12+0.05 0.60+0.08 4.00+0.50	0.100+0.004 0.035+0.004 0.005+0.004 0.011+0.005 0.060+0.008 0.200+0.020
	1.000000V- 750.000 V ^(*)	1 μV- 1mV	3Hz-5Hz 5Hz-10Hz 10Hz-20kHz 20kHz-50kHz 50kHz-100kHz 100kHz-300kHz(*)	1.00+0.02 0.35+0.02 0.04+0.02 0.10+0.04 0.55+0.08 4.00+0.50	1.00+0.03 0.35+0.03 0.05+0.03 0.11+0.05 0.60+0.08 4.00+0.50	1.00+0.03 0.35+0.03 0.06+0.03 0.12+0.05 0.60+0.08 4.00+0.50	0.100+0.003 0.035+0.003 0.005+0.003 0.011+0.005 0.060+0.008 0.200+0.020
TRUE RMS AC CURRENT ^(*)	1.000000 mA	1nA	3Hz-5Hz 5Hz-10Hz 10Hz-5kHz 5kHz-10kHz	1.00+0.04 0.30+0.04 0.10+0.04 0.20+0.25	1.00+0.04 0.30+0.04 0.10+0.04 0.20+0.25	1.0+0.04 0.3+0.04 0.1+0.04 0.2+0.25	0.100+0.006 0.035+0.006 0.015+0.006 0.030+0.006
	10.00000 mA	10nA	3Hz-5Hz 5Hz-10Hz 10Hz-5kHz 5kHz-10kHz	1.10+0.06 0.35+0.06 0.15+0.06 0.35+0.70	1.10+0.06 0.35+0.06 0.15+0.06 0.35+0.70	1.10+0.06 0.35+0.06 0.15+0.06 0.35+0.70	0.200+0.006 0.100+0.006 0.015+0.006 0.030+0.006
	100.0000 mA	100nA	3Hz-5Hz 5Hz-10Hz 10Hz-5kHz 5kHz-10kHz	1.00+0.04 0.30+0.04 0.10+0.04 0.20+0.25	1.00+0.04 0.30+0.04 0.10+0.04 0.20+0.25	1.00+0.04 0.30+0.04 0.10+0.04 0.20+0.25	0.100+0.006 0.035+0.006 0.015+0.006 0.030+0.006
	1.000000 A	1μA	3Hz-5Hz 5Hz-10Hz 10Hz-5kHz 5kHz-10kHz	1.00+0.04 0.30+0.04 0.10+0.04 0.35+0.70	1.00+0.04 0.30+0.04 0.10+0.04 0.35+0.70	1.00+0.04 0.30+0.04 0.10+0.04 0.35+0.70	0.100+0.006 0.035+0.006 0.015+0.006 0.030+0.006
	10.00000 A	10μA	3Hz-5Hz 5Hz-10Hz 10Hz-5kHz 5kHz-10kHz	1.10+0.06 0.35+0.06 0.15+0.06 0.35+0.70	1.10+0.06 0.35+0.06 0.15+0.06 0.35+0.70	1.10+0.06 0.35+0.06 0.15+0.06 0.35+0.70	0.100+0.006 0.035+0.006 0.015+0.006 0.030+0.006
FREQUENCY ^(*) PERIOD	100.0000 mV- 750.000 V ^(*)	-	3 Hz-5 Hz 5 Hz-10 Hz 10 Hz-40 Hz 40 Hz-300 kHz	0.1 0.05 0.03 0.006	0.1 0.05 0.03 0.01	0.1 0.05 0.03 0.01	0.005 0.005 0.001 0.001
TEMPERATURE(RTD) ^(*)	-200 °C-600 °C	0.002°C	-	-	-	0.06°C (typical)	-
TEMPERATURE (THERMOCOUPLES) ^(*)	-200 ~ +1372 °C -50 ~ +1870 °C	0.003°C 0.01°C	(J/K/N/T/E Type) (R/S/B Type)	-	-	0.2°C (typical) 1.0°C	0.004 °C / °C (typical) 0.14 °C / °C
DISPLAY	VFD, Two Colors Display						
INTERFACE	RS-232C, USB, Digital I/O						
POWER SOURCE	AC 100V/120V/220V/240V±10%, 45 Hz ~ 66 Hz and 360 Hz ~ 440 Hz						
DIMENSIONS & WEIGHT	265(W) x 107(H) x 350(D) mm, Approx. 3.1 kg						

Specifications subject to change without notice. DM-8261CD18H

ORDERING INFORMATION

GDM-8261 6 ½ Digit Dual Measurement Multimeter

* Three-year warranty, excluding accessories.

ACCESSORIES

Quick star guide x 1, Power cord x 1, Test lead GTL-117 x 1,
USB cable GTL-247 x 1, CD x 1 (including complete user manual,
upgrade program and PC software DMM-Viewer), Calibration key
GDM-01 x 1 (for firmware upgrade)

OPTION

Opt. 01 GDM-SC1 Scanner Card { V ch x 16, I ch x 2 }
Opt. 02 GPIB Card
Opt. 03 LAN Card * Either GPIB or LAN can be installed on each GDM-8261.

OPTIONAL ACCESSORIES

GTL-108A 4W Type test lead GTL-248 GPIB Cable, Approx. 2m
GTL-232 RS-232C Cable, 9-pin female to 9-pin, null modem for computer,
Approx. 2m

FREE DOWNLOAD

PC Software DMM-VIEWER, RS-232C/USB Interface Supported
LabVIEW Driver, RS-232C/USB/GPIB Interface Supported
Driver USB Driver

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