



GDM-8255A

Check to Compare



Features

- GDM-8255A 199,999 Counts Display
- VFD Two Colors Display
- 0.012% DCV Accuracy
- True RMS (AC, AC+DC)
- 9 Major Measuring Functions and 10 Advanced Measurement Functions
- 2W/4W Resistance Measurement
- High Voltage 1000V and 10A Current Range
- Standard Interface : RS-232C, USB Device, Digital I/O
- Free PC Software (DMM-VIEWER), LabVIEW Driver
- Optional: 16+2 Channels Scanner Card

Product Search

Keyword...

Compare

Description

Specification

Accessories

Ordering Information

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FAQs

	GDM-8255A
FULL SCALE	
	199,999 Counts

SAMPLAE RATE	
Slow	5 1/2 digits, 10 readings/second
Medium	4 1/2 digits, 30 readings/second
Fast	3 1/2 digits, 60 readings/second
DC VOLTAGE	
Range	100mV, 1V, 10V, 100V, 1000V 5 ranges
Accuracy	$\pm(0.012\% \text{ rdg} + 5 \text{ digits})$
Input Impedance	10M Ω
AC VOLTAGE True RMS	
Range	100mV, 1V, 10V, 100V, 750V 5 ranges
Accuracy	20Hz~45Hz : $\pm(1\% \text{ rdg} + 100 \text{ digits})$ 45Hz ~ 10kHz : $\pm(0.2\% \text{ rdg} + 100 \text{ digits})$ 10kHz ~ 30kHz : $\pm(1\% \text{ rdg} + 100 \text{ digits})$ 30kHz~100kHz : $\pm(3\% \text{ rdg} + 200 \text{ digits})$
Input Impedance	1.1M Ω in parallel with approx. 100pF
DC CURRENT	
Range	10mA, 100mA, 1A, 10A 4ranges
Accuracy	10mA , 100mA : $\pm(0.05\% \text{ rdg} + 15 \text{ digits})$ 1A, 10A range : $\pm(0.2\% \text{ rdg} + 5 \text{ digits})$
AC CURRENT True RMS	
Range	10mA, 100mA, 1A, 10A 4ranges
Accuracy	10mA , 100mA range: 20Hz ~ 50Hz : $\pm(1.5\% \text{ rdg} + 100 \text{ digits})$ 50Hz ~ 10kHz : $\pm(0.5\% \text{ rdg} + 100 \text{ digits})$ 10kHz~20kHz : $\pm(2\% \text{ rdg} + 200 \text{ digits})$ 1A , 10A range: 50Hz~10kHz : $\pm(1\% \text{ rdg} + 100 \text{ digits})$
RESISTANCE	
Range	100 Ω , 1k Ω , 10k Ω , 100k Ω , 1M Ω , 10M Ω , 100M Ω 7 ranges
2W Accuracy	100 Ω range : $\pm(0.1\% \text{ rdg} + 8 \text{ digits})(*)$ 1k Ω range : $\pm(0.08\% \text{ rdg} + 5 \text{ digits})(*)$ 10k Ω ~ 1M Ω 3 ranges : $\pm(0.06\% \text{ rdg} + 5 \text{ digits})$ 10M Ω range : $\pm(0.3\% \text{ rdg} + 5 \text{ digits})$

	100M Ω range : $\pm(3\% \text{ rdg} + 8 \text{ digits})$
4W Accuracy	100 Ω range : $\pm(0.05\% \text{ rdg} + 8 \text{ digits})$ 1k Ω ~ 1M Ω 4 ranges : $\pm(0.05\% \text{ rdg} + 5 \text{ digits})$ 10M Ω range : $\pm(0.3\% \text{ rdg} + 5 \text{ digits})$ 100M Ω range : $\pm(3\% \text{ rdg} + 8 \text{ digits})$
DIODE TEST	
	Open Circuit Voltage 2.0V Test Current 0.5mA
FREQUENCY	
	10Hz~800kHz
CONTINUITY BEEPER	
	1 ~ 1000 Ω Define by user
TEMPERATURE	
	0° C ~ 300° C : J , K , T Type
OTHER FUNCTIONS	
	Auto range / Manual, Math : MX + B/ % / 1/X Max, Min, dBm, dB, REL, Hold, Compare, Store, Recall
DISPLAY	
	VFD, Two Colors Display
INTERFACE	
	Digital I/O, USB Device, RS-232C
POWER SOURCE	
	AC 100V-240V $\pm 10\%$, 50/60Hz
OPTIONAL	
	GDM-SC1 : Multi-channels (16+2) Scanner Card (Up to 2 sets of GDM-SC1 can be installed at same time for one GDM-8255A)
DIMENSIONS & WEIGHT	
	265(W) x 107(H) x 350(D) mm Approx. 2.6 kg
Note : (*)USE "REL" Mode	

