

199999/120000 COUNTS DUAL DISPLAY DIGITAL MULTIMETER



GDM-8255 (199999 Counts)
GDM-8251 (120000 Counts)

NEW



FEATURES

- * GDM-8255 : 199999 Counts Display
GDM-8251 : 120000 Counts Display
- * VFD Dual Color Display
- * Auto/Manual Ranging
- * 2/4 Wire Resistance Measurement
- * Temperature Measurement
- * True RMS (AC, AC+DC)
- * Selectable Measurement Rate
- * Frequency Measurement
- * Max./Min., REL, dBm, Compare, Math, Store, Recall, dB
- * 16-Channel Scanner Card (Option)

GDM-SC1 Scanner card

Multipoint Testing can be facilitated by simple insertion of scanner card.
For: GDM-8255/8251



GDM-01 Calibration key

For: GDM-8255/8251



GTL-118 Test Lead

For: GDM-8255/8251



GTL-245 USB Cable

A-A type cable, Approx.3m
For: GDM-8255/8251



GTL-108A 4W Type Test Lead

For: GOM-801H/802, GDM-8255/8251



The GDM-8255/8251 are the portable, dual-display digital multimeters. The display of 199999/120000 counts with 4 wire measure technology and VFD display provide DCV 0.012% accuracy and excellent Contrast/ brightest display.
GDM-8255/8251 carry an extensive list of measurement items - ACV, DCV, ACA, DCA, R, Hz, Continuity beeper, Diode test, REL, Dual display: ACV + Hz, DCV + dBm, ACV + dBm, DCV + ACV ripple and dBm. Additional measurement functions, such as Max/Min, Hold, Relative value and Compare, are suitable for wide range of applications, such as production testing, research, and field verification. The calibration key along with the free software enable users to calibrate GDM-8255/8251 in an effective manner.

The USB, RS-232C and 9-pin digital I/O interface are included as standard features, while the optional GPIB interface and 16 channel scanner x2 are also available for ATE applications.

SPECIFICATIONS		
	GDM-8255	GDM-8251
FULL SCALE	199999 Counts	120000 Counts
SAMPLE 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 Accuracy Input Impedance 100mV, 1V, 10V, 100V, 1000V 5 ranges $\pm (0.012\% \text{ rdg} + 5 \text{ digits})$ 10M Ω	
AC VOLTAGE True RMS (AC or AC+DC True RMS)	Range Accuracy Input Impedance 100mV, 1V, 10V, 100V, 750V 5 ranges 20Hz~45Hz : $\pm (1\% \text{ rdg} + 10 \text{ digits})$ 45Hz ~ 10kHz : $\pm (0.2\% \text{ rdg} + 100 \text{ digits})$ 10kHz ~ 30kHz : $\pm (1\% \text{ rdg} + 100 \text{ digits})$ 30kHz~100kHz : $\pm (3\% \text{ rdg} + 200 \text{ digits})$ 10M Ω	
DC CURRENT	Range Accuracy 10mA, 100mA, 10A 3 ranges 10mA, 100mA : $\pm (0.05\% \text{ rdg} + 15 \text{ digits})$ 10A range : $\pm (0.2\% \text{ rdg} + 5 \text{ digits})$	
AC CURRENT TRUE RMS (AC or AC+DC TRUE RMS)	Range Accuracy 10mA, 100mA, 10A 3 ranges 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 : $\pm (2\% \text{ rdg} + 200 \text{ digits})$	
RESISTANCE	Range 2W Accuracy 4W Accuracy 100 Ω , 1k Ω , 10k Ω , 100k Ω , 1M Ω , 10M Ω , 100M Ω 7 ranges 100 Ω range : $\pm (0.1\% \text{ rdg} + 8 \text{ digits})$ (*); 1k Ω ~ 1M Ω 4 ranges : $\pm (0.08\% \text{ rdg} + 5 \text{ digits})$ 10M Ω range : $\pm (0.3\% \text{ rdg} + 5 \text{ digits})$; 100M Ω range : $\pm (3\% \text{ rdg} + 8 \text{ digits})$ 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	20Hz~300kHz	
CONTINUITY BEEPER	1 ~ 1000 Ω	
TEMPERATURE	0 $^{\circ}\text{C}$ ~ 300 $^{\circ}\text{C}$; 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 Dual Display	
INTERFACE	Standard : Remote I/O, USB, RS-232C Option : GPIB, Scanner Card	
POWER SOURCE	AC 100V~240V $\pm 10\%$, 50/60Hz	
ACCESSORIES	User manual x 1, Power cord x 1, Test lead GTL-118 x 1, Calibration key GDM-01 x 1 (Compatible with Fluke 5720A/5725A calibrators only)	
DIMENSIONS & WEIGHT	265(W) x 107(H) x 350(D) mm, Approx. 2.6 kg Note : (*USE "REL" Mode	
ORDERING INFORMATION		
GDM-8255	199999 Counts Dual Display Digital Multimeter	
GDM-8251	120000 Counts Dual Display Digital Multimeter	
Option		
Opt.01	GPIB Interface (Factory installed only)	Opt.02 GDM-SC1 Scanner card
Optional Accessories		
GTL-108A	4W Type test lead	GTL-245 USB Cable