

199999/120000 COUNTS DUAL DISPLAY DIGITAL MULTIMETER

Back to [GDM-8255](#), [GDM-8251](#) Main Page



GDM-8255 (199999 Counts)

NEW

GDM-8251 (120000 Counts)



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	100mV, 1V, 10V, 100V, 1000V 5 ranges	
Accuracy	± (0.012% rdg + 5 digits)	
Input Impedance	10MΩ	
AC VOLTAGE True RMS (AC or AC+DC True RMS)		
Range	100mV, 1V, 10V, 100V, 750V 5 ranges	
Accuracy	20Hz~45Hz :± (1% rdg + 10 digits) 45Hz ~ 10kHz :± (0.2% rdg + 100 digits) 10kHz ~ 30kHz :± (1% rdg + 100 digits) 30kHz~100kHz :± (3% rdg + 200 digits)	
Input Impedance	10MΩ	
DC CURRENT		
Range	10mA, 100mA, 10A 3 ranges	
Accuracy	10mA, 100mA :± (0.05% rdg + 15 digits) 10A range :± (0.2% rdg + 5 digits)	
AC CURRENT TRUE RMS (AC or AC+DC TRUE RMS)		
Range	10mA, 100mA, 10A 3 ranges	
Accuracy	10mA, 100mA range : 20Hz ~ 50Hz :± (1.5% rdg + 100 digits) 50Hz ~ 10kHz :± (0.5% rdg + 100 digits) 10kHz~20kHz :± (2% rdg + 200 digits)	
RESISTANCE		
Range	100Ω, 1kΩ, 10kΩ, 100kΩ, 1MΩ, 10MΩ, 100MΩ 7 ranges	
2W Accuracy	100Ω range :± (0.1% rdg + 8digits)(*); 1kΩ ~ 1MΩ 4 ranges :± (0.08% rdg + 5 digits) 10MΩ range :± (0.3% rdg + 5 digits); 100MΩ range :± (3% rdg + 8 digits)	
4W Accuracy	100Ω range :± (0.05% rdg + 8digits)(*); 1kΩ ~ 1MΩ 4 ranges :± (0.05% rdg + 5 digits) 10MΩ range :± (0.3% rdg + 5 digits); 100MΩ range :± (3% rdg + 8 digits)	
DIODE TEST		
	Open Circuit Voltage 2.0V, Test Current 0.5mA	
FREQUENCY		
	20Hz~300kHz	
CONTINUITY BEEPER		
	1 ~ 1000Ω	
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 ColorsDual Display	
INTERFACE		
	Standard : Remote I/O, USB, RS-232C Option : GPIB, Scanner Card	
POWER SOURCE		
	AC 100V~240V±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