

**199999/120000 COUNTS DUAL DISPLAY DIGITAL MULTIMETER**



**GDM-8255 (19999 Counts)**  
**GDM-8251 (120000 Counts)**



**FEATURES**

- \* **GDM-8255 : 19999 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



**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
<b>FULL SCALE</b>		199999 Counts	120000 Counts
<b>SAMPLE RATE</b>		Slow : 5 1/2 digits, 10 readings/second Medium : 4 1/2 digits, 30 readings/second Fast : 3 1/2 digits, 60 readings/second	
<b>DC VOLTAGE</b>		Range Accuracy Input Impedance 100mV, 1V, 10V, 100V, 1000V 5 ranges ± (0.012% rdg + 5 digits) 10MΩ	
<b>AC VOLTAGE True RMS (AC or AC+DC True RMS)</b>		Range Accuracy 100mV, 1V, 10V, 100V, 750V 5 ranges 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	
<b>DC CURRENT</b>		Range Accuracy 10mA, 100mA, 10A 3 ranges 10mA, 100mA :± (0.05% rdg + 15 digits) 10A range :± (0.2% rdg + 5 digits)	
<b>AC CURRENT TRUE RMS (AC or AC+DC TRUE RMS)</b>		Range Accuracy 10mA, 100mA, 10A 3 ranges 10mA, 100mA range : 20Hz ~ 50Hz :± (1.5% rdg + 100 digits) 50Hz ~ 10kHz :± (0.5% rdg + 100 digits) 10kHz~20kHz :± (2% rdg + 200 digits)	
<b>RESISTANCE</b>		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)	
<b>DIODE TEST</b>		Open Circuit Voltage 2.0V, Test Current 0.5mA	
<b>FREQUENCY</b>		20Hz~300kHz	
<b>CONTINUITY BEEPER</b>		1 ~ 1000Ω	
<b>TEMPERATURE</b>		0 °C~ 300 °C: J, K, T Type	
<b>OTHER FUNCTIONS</b>		Auto range / Manual, Math : MX + B/ % / 1/X; Max, Min, dBm, dB, REL, Hold, Compare, Store, Recall	
<b>DISPLAY</b>		VFD, Two ColorsDual Display	
<b>INTERFACE</b>		Standard : Remote I/O, USB, RS-232C Option : GPIB, Scanner Card	
<b>POWER SOURCE</b>		AC 100V~240V± 10%, 50/60Hz	
<b>ACCESSORIES</b>		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)	
<b>DIMENSIONS &amp; WEIGHT</b>		265(W) x 107(H) x 350(D) mm, Approx. 2.6 kg	

Note: (\*)USE "REL" Mode

ORDERING INFORMATION			
<b>GDM-8255</b>	199999 Counts Dual Display Digital Multimeter		
<b>GDM-8251</b>	120000 Counts Dual Display Digital Multimeter		
<b>Option</b>			
Opt.01	GPIB Interface (Factory installed only)	Opt.02	GDM-SC1 Scanner card
<b>Optional Accessories</b>			
<b>GTL-108A</b>	4W Type test lead	<b>GTL-245</b>	USB Cable