Hand-Held Digital Multimeter

GDM-452

GDM-357

GDM-350B

The GDM-300/400 Series Hand Held DMM are a compact, high precision, battery operated multimeter series designed to meet of service engineers. The GDM-300/400 Series design is driven by mobile-oriented features: automatic power off to preserve battery life, a large backlight display for crisp viewing, a rotary selector and push buttons to ease operation, and temperature measurement for outdoor use. The basic functions match the depth of bench-top multimeters: fuse-protected current input, true RMS for accurate AC measurements, Auto ranging, Duty cycle, and Relative mode. These compact, reliable, and economical devices are ideal for any engineer.

GDM-452 FEATURES

- 4 ½ Digits Manual Ranging
- AC Current True RMS
- Capacitance, Frequency Measurement
- Data Hold
- Auto Power Off

GDM-357 FEATURES

- 3 ½ Digits Manual Ranging
- Temperature Measurement
- Capacitance, Frequency Measurement
- Data Hold
- Auto Power Off

GDM-350B FEATURES

- 3 ½ Digits Manual Ranging
- Temperature Measurement
- Continuity Beeper/Diode Test
- hFE Test
- Data Hold

SPECIFICATIONS

DC VOLTAGE	
Range	220mV, 2.2V, 22V, 220V, 1000V(GDM-461); 200mV, 2V, 20V, 200V, 600V(GDM-452); 40mV, 400mV, 4V, 40V, 400V, 1000V(GDM-397); 60mV, 600mV, 6V, 60V, 600V, 1000V(GDM-360); 400mV, 4V, 40V, 400V, 1000V(GDM-398); 200mV, 2V, 20V, 200V, 600V(GDM-357); 200mV, 2000mV, 20V, 200V, 250V(GDM-350B)
Best Accuracy	±(0.1%rdg + 2 digits) for GDM-461; ±(0.05%rdg + 3 digits) for GDM-452;±(0.5%rdg + 1 digit) for GDM-397/360/398/357; ±(0.5%rdg + 2 digits) for GDM-350B
Input Impedance	10MΩ (3000MΩ for mV range of GDM-461/397/360/398)
AC VOLTAGE	
Range	220mV, 2.2V, 22V, 220V, 750V(GDM-461); 200mV, 2V, 20V, 200V, 600V(GDM-452) 40mV, 400mV, 4V, 40V, 400V, 750V(GDM-397); 400mV, 4V, 40V, 400V, 750V(GDM-398) 60mV, 600mV, 6V, 60V, 600V, 750V(GDM-360); 2V, 20V, 200V, 600V(GDM-357) 200V, 250V(GDM-350B)
Best Accuracy	±(0.8%rdg + 10 digits) for GDM-461; ±(0.5%rdg + 10 digits) for GDM-452 ±(1.0%rdg + 3 digits) for GDM-397/360/398; ±(0.8%rdg + 3 digits) for GDM-357 ±(1.2%rdg + 3 digits) for GDM-350B
Input Impedance	10MΩ(3000MΩ for mV range of GDM-461/397/360/398; 4.5MΩ for GDM-350B)
DC CURRENT	
Range	220μA, 2200μA, 22mA, 220mA, 10A(GDM-461); 2mA, 20mA, 200mA, 10A(GDM-452) 400μA, 4000μA, 40mA, 400mA, 4A, 10A(GDM-397/398) 600μA, 6000μA, 60mA, 600mA, 6A, 10A(GDM-360) 2mA, 20mA, 200mA, 10A(GDM-357); 2000μA, 20mA, 200mA, 10A(GDM-350B)
Best Accuracy	±(0.5%rdg + 10 digits) for GDM-461; ±(0.5%rdg + 5 digits) for GDM-452 ±(1.0%rdg + 2 digits) for GDM-397/398/350B; ±(1.0%rdg + 3 digits) for GDM-360 ±(0.8%rdg + 1 digit) for GDM-357
AC CURRENT	
Range	220μA, 2200μA, 22mA, 220mA, 10A(GDM-461); 2mA, 20mA, 200mA, 10A(GDM-452) 400μA, 4000μA, 40mA, 400mA, 4A, 10A(GDM-397/398) 600μA, 6000μA, 60mA, 600mA, 6A, 10A(GDM-360); 20mA, 200mA, 10A(GDM-357)
Best Accuracy	±(0.8%rdg + 10 digits) for GDM-461/452; ±(1.0%+3) for GDM-357; ±(1.2%rdg + 5 digits) for GDM-397/360/398
RESISTANCE	
Range	220Ω ~ 220MΩ 7 ranges(GDM-461); 200Ω ~ 20MΩ 6 ranges(GDM-452/357/350B) 400Ω ~ 40MΩ 6 ranges(GDM-397/398); 600Ω ~ 60MΩ 6 ranges(GDM-360)
Best Accuracy	±(0.5%rdg + 10 digits) for GDM-461; ±(0.3%rdg + 1 digit) for GDM-452; ±(1.0%rdg + 2 digits) for GDM-397/360/398/357; ±(0.8%rdg + 5 digits) for GDM-350B
CAPACITANCE	
Range	22nF, 220nF, 2.2μF, 22μF, 220μF, 2.2mF, 22mF, 220mF(GDM-461) 20nF, 200nF, 2μF, 20μF(GDM-452); 2nF, 20nF, 200nF, 2μF, 200μF(GDM-357) 40nF, 400nF, 4μF, 40μF, 400μF, 4000μF (GDM-397/360/398)
Best Accuracy	±(3.0%rdg + 5 digits) for GDM-461; ±(4.0%rdg + 20 digits) for GDM-452 ±(3.0%rdg + 5 digits) for GDM-397/360/398; ±(4.0%+3) for GDM-357
FREQUENCY	
Range	10Hz ~ 220MHz(GDM-461); 1Hz ~ 20kHz(GDM-452) 10Hz ~ 10MHz(GDM-397/360/398)
Best Accuracy	±(0.01%rdg + 5 digits) for GDM-461; ±(1.5%rdg + 5 digits) for GDM-452 ±(0.1%rdg + 4 digits) for GDM-397/360/398
DIODE TEST	
Open Circuit Voltage	GDM-461/452/397/360/398/357 : 2.8V (Approx.) GDM-350B : 2.3V (Approx.)
CONTINUITY BEEPER	
Buzzer sounds if conductance less than 10Ω for GDM-461/397/357/360/398/350B Buzzer sounds if conductance less than 30Ω for GDM-452	
TEMPERATURE	
Range	-40℃~1000℃
Best Accuracy	±(1.2%rdg + 4 digits) for GDM-397; ±(1.0%rdg + 7 digits) for GDM-357 ±(1.0%rdg + 3 digits) for GDM-350B
SPECIAL FUNCTION	
Auto Ranging (GDM-461/397/360); True RMS (GDM-461/360); RS-232C (GDM-461/397/360) hFE Test (GDM-398/350B); Display Backlight (GDM-397/360/398); EF Function (GDM-398) Analog Bar (GDM-461/397/360/398); Auto Power Off (GDM-452/397/357/360/398)	
LCD DISPLAY	
22000 counts (GDM-461), 4 1/2 digits (GDM-452), 6000 counts (GDM-360) 3 3/4 digits (GDM-397/398), 3 1/2 digits (GDM-357/350B)	
POWER SOURCE	
Single 9V Battery (6F22)	

GDM-461

GDM-397

GDM-360

GDM-398

SPECIFICATIONS

DIMENSIONS & WEIGHT
87(W) x 180(H) x 47(D) mm, Approx. 370g (GDM-461/397/360/398)
91(W) x 186(H) x 39(D) mm, Approx. 300g (GDM-452/357)
72(W) x 137(H) x 35(D) mm, Approx. 200g (GDM-350B)

ORDERING INFORMATION

GDM-461	22000 Counts Hand-Held DMM with True RMS Measurement and RS-232C Interface
GDM-452	4 ½ Digits hand-Held DMM
GDM-397	3 3/4 Counts Hand-Held DMM with RS-232C Interface
GDM-360	6000 counts Hand-Held DMM with True RMS Measurement and RS-232C Interface
GDM-398	3 3/4 counts Hand-Held DMM
GDM-357	3 1/2 Digits Hand-Held DMM
GDM-350B	3 1/2 Digits Hand-Held DMM

ACCESSORIES :
User manual x 1 , Test leads , Battery

FREE DOWNLOAD

GDM-461 PC Software	PC Software; Remote software (RS-232C/USB Interface Cable(Optional))
GDM-397 PC Software	PC Software; Remote software (RS-232C/USB Interface Cable(Optional))
GDM-360 PC Software	PC Software; Remote software (RS-232C)

SELECTION GUIDE

MODEL	GDM-461	GDM-452	GDM-397	GDM-360	GDM-398	GDM-357	GDM-350B
Max. Display	22000	19999	4000	6000	4000	1999	1999
Auto Ranging	✓		✓	✓	✓		
Analogue Bar	✓		✓	✓	✓		
True RMS	✓			✓			
Display Backlight			✓	✓	✓		
Fused 10A Range	✓	✓	✓	✓	✓		✓
Auto Power off		✓	✓	✓	✓	✓	
DC Voltage	1000V	600V	1000V	1000V	1000V	600V	250V
AC Voltage	750V	600V	750V	750V	750V	600V	250V
DC Current	10A	10A	10A	10A	10A	10A	10A
AC Current	10A	10A	10A	10A	10A	10A	
Resistance	220MΩ	20MΩ	40MΩ	60MΩ	40MΩ	20MΩ	20MΩ
Capacitance	220mF	20 μF	4000 μF	4000 μF	4000 μF	200 μF	
Frequency	220MHz	20kHz	10MHz	10MHz	10MHz		
Diode	✓	✓	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓	✓	✓
Temperature			✓			✓	✓
Duty Cycle (%)	✓		✓	✓	✓		
Transistor (hFE)					✓		✓
EF					✓		
REL	✓		✓	✓	✓		
Data Hold	✓	✓	✓	✓	✓	✓	✓
Peak Hold	✓						
MAX MIN			✓	✓	✓		
RS-232C	✓		✓	✓			

GDM-461 FEATURES

- 22000 Counts Auto/Manual Ranging
- 46 segments Analogue Bar
- hFE Test
- Data/Peak Hold and Relative Mode
- True RMS/RS232C

GDM-397 FEATURES

- 4000 Counts Auto/Manual Ranging
- 41 segments Analogue Bar
- MAX/MIN, Data Hold and Relative Mode
- RS232C
- Auto Power Off

GDM-360 FEATURES

- 6000 Counts Auto/Manual Ranging
- Continuity Beeper/Diode Test
- Capacitance, Frequency Measurement
- Data Hold and Relative Mode
- True RMS/RS232C

GDM-398 FEATURES

- 4000 Counts Auto/Manual Ranging
- Capacitance, Frequency Measurement
- hFE Test / EF Function
- Data Hold and Relative Mode
- Auto Power Off

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