

Hand-Held Digital Multimeter

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



GDM-357



GDM-350B



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, 20µF(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°C – 1000°C |
| 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) |

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

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 µ F | 4000 µ F | 4000 µ F | 4000 µ F | 200 µ F | |
| Frequency | 220MHz | 20kHz | 10MHz | 10MHz | 10MHz | | |
| Diode | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Continuity | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Temperature | | | ✓ | | | ✓ | ✓ |
| Duty Cycle (%) | ✓ | | ✓ | ✓ | ✓ | | |
| Transistor (hFE) | | | | | ✓ | | ✓ |
| EF | | | | | ✓ | | |
| REL | ✓ | | ✓ | ✓ | ✓ | | |
| Data Hold | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Peak Hold | ✓ | | | | | | |
| MAX MIN | | | ✓ | ✓ | ✓ | | |
| RS-232C | ✓ | | ✓ | ✓ | | | |