

## GDM-300/400 Series

### Features

- (GDM-452/357/350B)
- \* 4 1/2 Digits 19999 counts (GDM-452)
  - \* 3 1/2 Digits 1999 counts (GDM-357/350B)
  - \* Manual Ranging
  - \* Continuity Beeper/Diode Test
  - \* Data Hold
  - \* hFE Test (Only GDM-350B)
  - \* Temperature Measurement (Except GDM-452)
  - \* Capacitance (Except GDM-350B)
  - \* Frequency Measurement (Only GDM-452)



- (GDM-461/397/360/398)
- \* 22000 Counts Auto/Manual Ranging (GDM-461)
  - \* 4000 Counts Auto/Manual Ranging (GDM-397/398)
  - \* 6000 Counts Auto/Manual Ranging (GDM-360)
  - \* Capacitance, Frequency Measurement
  - \* Continuity Beeper/Diode Test
  - \* High Energy Fuse for 10A Range
  - \* Data Hold/Relative Mode
  - \* True RMS (GDM-461/360)
  - \* RS232C (GDM-461/397/360)

### Specification

SPECIFICATIONS	
<b>DC VOLTAGE</b>	
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	10 MΩ (3000MΩ for mV range of GDM-461/397/360/398)
<b>AC VOLTAGE</b>	
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	10 MΩ (3000MΩ for mV range of GDM-461/397/360/398; 4.5MΩ for GDM-350B)
<b>DC CURRENT</b>	
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	$\pm(0.5\%rdg + 10 \text{ digits})$ for GDM-461; $\pm(0.5\%rdg + 5 \text{ digits})$ for GDM-452 $\pm(1.0\%rdg + 2 \text{ digits})$ for GDM-397/398/350B; $\pm(1.0\%rdg + 3 \text{ digits})$ for GDM-360 $\pm(0.8\%rdg + 1 \text{ digit})$ for GDM-357
<b>AC CURRENT</b>	
Range	220 $\mu$ A, 2200 $\mu$ A, 22mA, 220mA, 10A(GDM-461); 2mA, 20mA, 200mA, 10A(GDM-452) 400 $\mu$ A, 4000 $\mu$ A, 40mA, 400mA, 4A, 10A(GDM-397/398) 600 $\mu$ A, 6000 $\mu$ A, 60mA, 600mA, 6A, 10A(GDM-360); 20mA, 200mA, 10A(GDM-357)
Best Accuracy	$\pm(0.8\%rdg + 10 \text{ digits})$ for GDM-461/452; $\pm(1.0\%+3)$ for GDM-357 $\pm(1.2\%rdg + 5 \text{ digits})$ for GDM-397/360/398
<b>RESISTANCE</b>	
Range	220 $\Omega$ ~ 220M $\Omega$ 7 ranges(GDM-461); 200 $\Omega$ ~ 20M $\Omega$ 6 ranges(GDM-452/357/350B) 400 $\Omega$ ~ 40M $\Omega$ 6 ranges(GDM-397/398); 600 $\Omega$ ~ 60M $\Omega$ 6 ranges(GDM-360)
Best Accuracy	$\pm(0.5\%rdg + 10 \text{ digits})$ for GDM-461; $\pm(0.3\%rdg + 1 \text{ digit})$ for GDM-452 $\pm(1.0\%rdg + 2 \text{ digits})$ for GDM-397/360/398/357; $\pm(0.8\%rdg + 5 \text{ digits})$ for GDM-350B
<b>CAPACITANCE</b>	
Range	22nF, 220nF, 2.2 $\mu$ F, 22 $\mu$ F, 220 $\mu$ F, 2.2mF, 22mF, 220mF(GDM-461) 20nF, 200nF, 2 $\mu$ F, 20 $\mu$ F(GDM-452); 2nF, 20nF, 200nF, 2 $\mu$ F, 200 $\mu$ F(GDM-357) 40nF, 400nF, 4 $\mu$ F, 40 $\mu$ F, 400 $\mu$ F, 4000 $\mu$ F (GDM-397/360/398)
Best Accuracy	$\pm(3.0\%rdg + 5 \text{ digits})$ for GDM-461; $\pm(4.0\%rdg + 20 \text{ digits})$ for GDM-452 $\pm(3.0\%rdg + 5 \text{ digits})$ for GDM-397/360/398; $\pm(4.0\%+3)$ for GDM-357
<b>FREQUENCY</b>	
Range	10Hz ~ 220MHz(GDM-461); 1Hz ~ 20kHz(GDM-452) 10Hz ~ 10MHz(GDM-397/360/398);
Best Accuracy	$\pm(0.01\%rdg + 5 \text{ digits})$ for GDM-461; $\pm(1.5\%rdg + 5 \text{ digits})$ for GDM-452 $\pm(0.1\%rdg + 4 \text{ digits})$ for GDM-397/360/398
<b>DIODE TEST</b>	
Open Circuit Voltage	GDM-461/452/397/360/398/357/350B : 2.8V (Approx.) GDM-350B : 2.3V (Approx.)
<b>CONTINUITY BEEPER</b>	
Buzzer sounds if conductance less than 10 $\Omega$ for GDM-461/397/357/360/398/350B Buzzer sounds if conductance less than 30 $\Omega$ for GDM-452	
<b>TEMPERATURE</b>	
Range	-40 $^{\circ}$ C ~ 1000 $^{\circ}$ C
Best Accuracy	$\pm(1.2\%rdg + 4 \text{ digits})$ for GDM-397; $\pm(1.0\%rdg + 7 \text{ digits})$ for GDM-357 $\pm(1.0\%rdg + 3 \text{ digits})$ for GDM-350B
<b>SPECIAL FUNCTION</b>	
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)	
<b>LCD DISPLAY</b>	
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)	
<b>POWER SOURCE</b>	
Single 9V Battery (6F22)	
<b>DIMENSIONS &amp; WEIGHT</b>	
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)	