



## GDM-394/396 (3 3/4 Digits)



## GDM-395 (3 3/4 Digits)



## GDM-394

- \* 3999 Counts Auto/Manual Ranging
- \* Capacitance, Frequency Measurement
- \* Continuity Beeper/Diode Test
- \* High Energy Fused For 10A Range
- \* Data Hold/Relative Mode

## GDM-396

- \* 3999 Counts Auto/Manual Ranging
- \* High Energy Fused for 10A Range
- \* Capacitance, Frequency Measurement
- \* Continuity Beeper/Diode Test
- \* Data Hold/Relative Mode
- \* True RMS/RS232C

## GDM-395

- \* Slim Pocket Digital Multimeter
- \* 3999 Counts Auto/Manual Ranging
- \* Capacitance, Frequency Measurement
- \* Continuity Beeper/Diode Test
- \* Data Hold/Relative Mode

The GDM-300/400 Series Hand Held DMM is a compact, high precision, battery operated multimeter designed to meet most of the daily needs for general engineers as well as service personnel.

The GDM-300/400 Series is powered by loads of mobile-oriented features: auto off function to save battery, large backlight display for clear view, rotary range selector and clear-cut push buttons to ease operations, and temperature measurement for outdoor usage.

The primary functionalities also match the width of bench-top type: fuse-protected current input, true RMS for accurate AC measurements, Auto ranging, Duty cycle, Relative mode, etc. These compact, reliable, and economical devices are ideal for your toolboxes and pockets.

SPECIFICATIONS	
<b>DC VOLTAGE</b>	
<b>Range</b>	200mV, 2V, 20V, 200V, 1000V(GDM-451/356); 400mV, 4V, 40V, 400V, 1000V(GDM-394/396) 400mV, 4V, 40V, 400V, 600V (GDM-395); 200mV, 2V, 20V, 200V, 500V (GDM-350A)
<b>Best Accuracy</b>	$\pm (0.05\%rdg + 3digits)$ for GDM-451; $\pm (0.8\%rdg + 1digit)$ for GDM-394/396 $\pm (0.5\%rdg + 1digit)$ for GDM-356; $\pm (0.7\%rdg + 3digits)$ for GDM-395 $\pm (0.5\%rdg + 2digits)$ for GDM-350A
<b>Input Impedance</b>	10M $\Omega$
<b>AC VOLTAGE (40Hz ~ 400Hz)</b>	
<b>Range</b>	2V, 20V, 200V, 750V (GDM-451/356) ; 4V, 40V, 400V, 750V (GDM-394/396) 4V, 40V, 400V, 600V (GDM-395) ; 200V, 500V(GDM-350A)
<b>Best Accuracy</b>	$\pm (0.5\%rdg + 10 digits)$ for GDM-451 ; $\pm (1\%rdg + 5 digits)$ for GDM-394/396 $\pm (2.3\%rdg + 5 digits)$ for GDM-395 ; $\pm (0.8\%rdg + 3 digits)$ for GDM-356 $\pm (1.2\%rdg + 10 digits)$ for GDM-350A
<b>Input Impedance</b>	10M $\Omega$ (5M $\Omega$ for GDM-350A ) (2M $\Omega$ for GDM-451)
<b>DC CURRENT</b>	
<b>Range</b>	2mA, 20mA, 200mA, 20A (GDM-451); 400uA, 4mA, 40mA, 400mA, 4A, 10A (GDM-394/396) 2000uA, 2mA, 20mA, 200mA, 10A (GDM-350A); 20mA, 200mA, 20A (GDM-356)
<b>Best Accuracy</b>	$\pm (0.5\%rdg + 5 digits)$ for GDM-451; $\pm (1\%rdg + 2 digits)$ for GDM-394/396/350A $\pm (0.8\%rdg + 1 digit)$ for GDM-356
<b>AC CURRENT (50Hz ~ 400Hz)</b>	
<b>Range</b>	20mA, 200mA, 20A (GDM-451/356); 400uA, 4mA, 40mA, 400mA, 4A, 10A (GDM-394/396)
<b>Best Accuracy</b>	$\pm (0.8\%rdg + 10 digits)$ for GDM-451; $\pm (1.5\%rdg + 5 digits)$ for GDM-394/396 $\pm (1\%rdg + 3 digits)$ for GDM-356
<b>RESISTANCE</b>	
<b>Range</b>	200 $\Omega$ ~ 200M $\Omega$ 7 ranges (GDM-451/356) ; 200 $\Omega$ ~ 200M $\Omega$ 6 ranges (GDM-350A) 400 $\Omega$ ~ 40M $\Omega$ 6 ranges (GDM-394/395/396)
<b>Best Accuracy</b>	$\pm (0.3\%rdg + 1 digit)$ for GDM-451 ; $\pm (1\%rdg + 2 digits)$ for GDM-394/396 $\pm (2\%rdg + 5 digits)$ for GDM-395 ; $\pm (0.8\%rdg + 1 digit)$ for GDM-356 $\pm (0.8\%rdg + 2 digits)$ for GDM-350A
<b>CONTINUITY BEEPER</b>	
Buzzer sounds if conductance less than 70 $\Omega$	
<b>DIODE TEST</b>	
<b>Open Circuit Voltage</b>	GDM-394/395/396 : 1.48V (Approx.) GDM-356/451/350A : 2.85V (Approx.)
<b>CAPACITANCE</b>	
<b>Range</b>	2nF, 20nF, 2 $\mu$ F, 20 $\mu$ F (GDM-451) ; 20nF, 200nF, 2 $\mu$ F, 100 $\mu$ F (GDM-356) 40nF, 400nF, 4 $\mu$ F, 40 $\mu$ F, 100 $\mu$ F (GDM-394/395/396)
<b>Best Accuracy</b>	$\pm (3\%rdg + 40 digits)$ for GDM-451 ; $\pm (3\%rdg + 5 digits)$ for GDM-394/396 $\pm (5\%rdg + 10 digits)$ for GDM-395 ; $\pm (4\%rdg + 3 digits)$ for GDM-356
<b>FREQUENCY</b>	
<b>Range</b>	1Hz~20kHz (GDM-451/356); 10Hz ~ 10MHz (GDM-394/396) 1Hz~99.9kHz (GDM-395)
<b>Best Accuracy</b>	$\pm (1.5\%rdg + 5 digits)$ for GDM-451/356; $\pm (0.1\%rdg + 3digits)$ for GDM-394/396 $\pm (0.7\%rdg + 3digits)$ for GDM-395
<b>TEMPERATURE</b>	
<b>Range</b>	-40 $^{\circ}$ C ~ 1000 $^{\circ}$ C
<b>Best Accuracy</b>	$\pm 1\% + 30$ (GDM-451); $\pm 1\% + 3$ (GDM-396/356/350A)
<b>SPECIAL FUNCTION</b>	
Duty cycle, Auto Ranging (GDM-394/396) True RMS, RS-232C (GDM-396)	



**GDM-451(4 1/2 Digits)**



**GDM-356(3 1/2 Digits)**



**GDM-350A(3 1/2 Digits)**



**SPECIFICATIONS**

**LCD DISPLAY**

4 1/2 digits (GDM-451), 3999 counts (GDM-394/395/396), 3 1/2 digits (GDM-356/350A)

**POWER SOURCE**

Single 9V battery (6F22), Cell Battery for GDM-395(CR2032)

**DIMENSIONS & WEIGHT**

85(W) x 177(H) x 40(D) mm, Approx.330g (GDM-394/396)  
 80(W) x 165(H) x 38.3(D) mm, Approx. 275g (GDM-451/356)  
 73.5(W) x 130(H) x 35(D) mm, Approx. 156g (GDM-350A)  
 56(W) x 110(L) x 11.5(D) mm, Approx. 97g (GDM-395)

**GDM-451**

- \* 4 1/2 Digits 19999 counts
- \* Manual Ranging
- \* Continuity Check/Diode Test
- \* Data Hold
- \* Temperature Measurement
- \* Capacitance, Frequency Measurement

**GDM-356**

- \* 3 1/2 Digits 1999 counts
- \* Manual Ranging
- \* Continuity Beeper/Diode Test
- \* Capacitance Measurement
- \* Frequency, Temperature Measurement

**GDM-350A**

- \* 3 1/2 Digits 1999 counts
- \* Manual Ranging
- \* Continuity Beeper/Diode Test
- \* Temperature Measurement

**SELECTION GUIDE**

Special Function	GDM-451	GDM-394	GDM-396	GDM-356	GDM-350A	GDM-395
Max. Display	19999	3999	3999	1999	1999	3999
Fused 10A Range		✓	✓			
Auto Ranging		✓	✓			✓
Diode	✓	✓	✓	✓	✓	✓
Continuity	✓	✓	✓	✓	✓	✓
Capacitance	✓	✓	✓	✓		✓
Frequency	20k	10M	10M	20k		100k
Temperature	✓		✓	✓	✓	
Duty Cycle(%)		✓	✓			✓
True RMS			✓			
Relative mode		✓	✓			✓
Data Hold	✓	✓	✓	✓	✓	✓
RS232C			✓			
Display Backlight	✓	✓	✓	✓	✓	
Auto Power Off	✓	✓		✓		✓

**ORDERING INFORMATION**

- GDM-451** 4 1/2 Digits Hand-Held DMM
- GDM-396** 3 3/4 Digits Hand-Held DMM with True R.M.S, Measurement and RS-232C Inter face
- GDM-394** 3 3/4 Digits Hand-Held DMM
- GDM-395** 3 3/4 Digits Hand-Held DMM
- GDM-356** 3 1/2 Digits Hand-Held DMM
- GDM-350A** 3 1/2 Digits Hand-Held DMM

**ACCESSORIES :**

User manual x 1, Test leads