

GDM-500 Specifications

The specifications apply when the GDM-500 is powered on for at least 30 minutes under +18°C~+28°C.



GDM-541



GDM-533



GDM-532



GDM-531

SPECIFICATIONS	
DC VOLTAGE	
Range	220.00mV, 2.2000V, 22.000V, 220.00V, 1000V(GDM-541) 60.00mV, 600.0mV, 6.000V, 60.00V, 600.0V, 1000V(GDM-533) 9.999mV, 99.99mV, 999.9mV, 9.999V, 99.99V, 999.9V(GDM-532) 600.0mV, 6000mV, 60.00V, 600.0V(GDM-531)
Best Accuracy	±(0.05%rdg + 5 digits) for GDM-541; ±(0.5%rdg + 3 digits) for GDM-533 ±(0.5%rdg + 3 digits) for GDM-532; ±(0.7%rdg + 3 digit) for GDM-531
Input Impedance	10 MΩ (At mV range : 1GΩ for GDM-541/533; 3GΩ for GDM-532)
AC VOLTAGE	
Range	220.00mV, 2.2000V, 22.000V, 220.00V, 1000.0V(GDM-541) 60.00mV, 600.0mV, 6.000V, 60.00V, 600.0V, 1000V(GDM-533) 9.999mV, 99.99mV, 999.9mV, 9.999V, 99.99V, 999.9V(GDM-532) 600.0V(GDM-531)
Best Accuracy	±(0.8%rdg + 10 digits) for GDM-541; ±(1.0%rdg + 3 digits) for GDM-533 ±(0.8%rdg + 3 digits) for GDM-532; ±(1.2%rdg + 3 digits) for GDM-531
Frequency Response	40Hz-10kHz for GDM-541; 40Hz-1kHz for GDM-533 45Hz-400Hz for GDM-532; 40Hz-400Hz for GDM-531
Input Impedance	10 MΩ
DC CURRENT	
Range	220.00μA, 2200.0μA, 22.000mA, 220.00mA, 20.000A(GDM-541) 600.0μA, 6000μA, 60.00mA, 600.0mA, 6.000A, 20.00A(GDM-533) 999.9μA, 999.9mA, 9.999A(GDM-532) 600.0μA, 60.00mA, 600.0mA, 10.00A(GDM-531)
Best Accuracy	±(0.5%rdg + 10 digits) for GDM-541; ±(1.0%rdg + 2 digits) for GDM-533 ±(0.8%rdg + 3 digits) for GDM-532; ±(1.0%rdg + 3 digits) for GDM-531
AC CURRENT	
Range	220.00μA, 2200.0μA, 22.000mA, 220.00mA, 20.000A(GDM-541) 600.0μA, 6000μA, 60.00mA, 600.0mA, 6.000A, 20.00A(GDM-533) 999.9μA, 999.9mA, 9.999A(GDM-532)
Best Accuracy	±(0.8%rdg + 10 digits) for GDM-541; ±(1.2%rdg + 5 digits) for GDM-533 ±(1.0%rdg + 3 digits) for GDM-532
RESISTANCE	
Range	220.00Ω, 2.2000kΩ, 22.000kΩ, 220.00kΩ, 2.2000MΩ, 22.000MΩ, 220.00MΩ(GDM-541) 600.0Ω, 6.000kΩ, 60.00kΩ, 600.0kΩ, 6.000MΩ, 60.00MΩ(GDM-533) 999.9Ω, 9.999kΩ, 99.99kΩ, 999.9kΩ, 9.999MΩ, 99.99MΩ(GDM-532) 600.0Ω, 6000Ω, 60.00kΩ, 600.0kΩ, 60.00MΩ(GDM-531)
Best Accuracy	±(0.5%rdg + 10 digits) for GDM-541; ±(1.0%rdg + 2 digit) for GDM-533 ±(0.8%rdg + 2 digits) for GDM-532; ±(0.8%rdg + 2 digits) for GDM-531

CONTINUITY BEEPER	
Buzzer sounds if conductance less than 50Ω for GDM-541/533	
Buzzer sounds if conductance less than 30Ω for GDM-532	
Buzzer sounds if conductance less than 10Ω for GDM-531	
DIODE TEST	
Open Circuit Voltage	GDM-541/533 : 3V (Approx.); GDM-532 : 3.3V (Approx.); GDM-531 : 2.1V (Approx.)
CAPACITANCE	
Range	22.000nF, 220.00nF, 2.2000μF, 22.000μF, 220.00μF, 2.2000mF, 22.000mF, 220.00mF(GDM-461) 60.00nF, 600.0nF, 6.000μF, 60.00μF, 600.0μF, 6.000mF, 60.00mF(GDM-533) 9.999nF, 99.99nF, 999.9nF, 9.999μF, 99.99μF, 999.9μF, 9.999mF(GDM-532/531)
Best Accuracy	±(3.0%rdg + 5 digits) for GDM-541/533; ±(4.0%rdg + 5 digits) for GDM-532/531
FREQUENCY	
Range	10Hz ~ 220MHz(GDM-541); 10Hz ~ 10MHz(GDM-533); 99.99Hz ~ 9.999MHz(GDM-532)
Best Accuracy	±(0.01%rdg + 5 digits) for GDM-541; ±(0.1%rdg + 4 digits) for GDM-533 ±(0.1%rdg + 5 digits) for GDM-532
Input Amplitude	≤ 20Vrms
TEMPERATURE	
Range	-40°C ~ 1000°C / -40°F ~ 1832°F
Best Accuracy	±(1.0%rdg + 3 °C) for GDM-533; ±(1.0%rdg + 5 °C) for GDM-532 ±(1.0%rdg + 4 °F) for GDM-533; ±(1.5%rdg + 5 °F) for GDM-532
SPECIAL FUNCTION	
Auto Ranging (GDM-541/533/532); True RMS (GDM-541/533/532); Analog Bar (GDM-541/533); USB (GDM-541/533); Display Backlight (GDM-541/533/532/531); NCV Function (GDM-541/533/532/531); Audible / Visual Alarm (GDM-541/533/532/531); AC+DC Voltage (GDM-541); LPF ACV (GDM-541); hFE Test (GDM-541); LoZ ACV (GDM-533)	
LCD DISPLAY	
22000 counts (GDM-541), 6000 counts (GDM-533/531), 9999 counts (GDM-532)	
POWER SOURCE	
1.5V AAA x 4 (GDM-541/533); 1.5V AAA x 3 (GDM-532); 1.5V AAA x 2 (GDM-531)	
DIMENSIONS & WEIGHT	
89(W) x 186(H) x 49(D) mm, Approx. 400g (GDM-541/533)	
81(W) x 169(H) x 46(D) mm, Approx. 400g (GDM-532)	
76.5(W) x 155(H) x 49(D) mm, Approx. 255g (GDM-531)	