

## 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     |   |
|--------------------|---|
| <b>DC VOLTAGE</b>  |   |
| Range              | 220.00mV, 2.2000V, 22.000V, 220.00V, 1000V(GDM-541)<br>60.00mV, 600.0mV, 6.000V, 60.00V, 600.0V, 1000V(GDM-533)<br>9.999mV, 99.99mV, 999.9mV, 9.999V, 99.99V, 999.9V(GDM-532)<br>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<br>±(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)  |
| <b>AC VOLTAGE</b>  |   |
| Range              | 220.00mV, 2.2000V, 22.000V, 220.00V, 1000.0V(GDM-541)<br>60.00mV, 600.0mV, 6.000V, 60.00V, 600.0V, 1000V(GDM-533)<br>9.999mV, 99.99mV, 999.9mV, 9.999V, 99.99V, 999.9V(GDM-532)<br>600.0V(GDM-531)  |
| Best Accuracy      | ±(0.8%rdg + 10 digits) for GDM-541; ±(1.0%rdg + 3 digits) for GDM-533<br>±(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<br>45Hz-400Hz for GDM-532; 40Hz-400Hz for GDM-531   |
| Input Impedance    | 10 MΩ   |
| <b>DC CURRENT</b>  |   |
| Range              | 220.00μA, 2200.0μA, 22.000mA, 220.00mA, 20.000A(GDM-541)<br>600.0μA, 6000μA, 60.00mA, 600.0mA, 6.000A, 20.00A(GDM-533)<br>999.9μA, 999.9mA, 9.999A(GDM-532)<br>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<br>±(0.8%rdg + 3 digits) for GDM-532; ±(1.0%rdg + 3 digits) for GDM-531   |
| <b>AC CURRENT</b>  |   |
| Range              | 220.00μA, 2200.0μA, 22.000mA, 220.00mA, 20.000A(GDM-541)<br>600.0μA, 6000μA, 60.00mA, 600.0mA, 6.000A, 20.00A(GDM-533)<br>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<br>±(1.0%rdg + 3 digits) for GDM-532  |
| <b>RESISTANCE</b>  |   |
| Range              | 220.00Ω, 2.2000kΩ, 22.000kΩ, 220.00kΩ, 2.2000MΩ, 22.000MΩ, 220.00MΩ(GDM-541)<br>600.0Ω, 6.000kΩ, 60.00kΩ, 600.0kΩ, 6.000MΩ, 60.00MΩ(GDM-533)<br>999.9Ω, 9.999kΩ, 99.99kΩ, 999.9kΩ, 9.999MΩ, 99.99MΩ(GDM-532)<br>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<br>±(0.8%rdg + 2 digits) for GDM-532; ±(0.8%rdg + 2 digits) for GDM-531  |

|  |   |
|--|---|
| <b>CONTINUITY BEEPER</b>   |   |
| 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   |   |
| <b>DIODE TEST</b>  |   |
| Open Circuit Voltage   | GDM-541/533 : 3V (Approx.); GDM-532 : 3.3V (Approx.); GDM-531 : 2.1V (Approx.)  |
| <b>CAPACITANCE</b>   |   |
| Range  | 22.000nF, 220.00nF, 2.2000μF, 22.000μF, 220.00μF, 2.2000mF, 22.000mF, 220.00mF(GDM-461)<br>60.00nF, 600.0nF, 6.000μF, 60.00μF, 600.0μF, 6.000mF, 60.00mF(GDM-533)<br>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  |
| <b>FREQUENCY</b>   |   |
| 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<br>±(0.1%rdg + 5 digits) for GDM-532  |
| Input Amplitude  | ≤ 20Vrms  |
| <b>TEMPERATURE</b>   |   |
| 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<br>±(1.0%rdg + 4 °F) for GDM-533; ±(1.5%rdg + 5 °F) for GDM-532  |
| <b>SPECIAL FUNCTION</b>  |   |
| Auto Ranging (GDM-541/533/532); True RMS (GDM-541/533/532); Analog Bar (GDM-541/533);<br>USB (GDM-541/533); Display Backlight (GDM-541/533/532/531); NCV Function (GDM-541/533/532/531);<br>Audible / Visual Alarm (GDM-541/533/532/531); AC+DC Voltage (GDM-541); LPF ACV (GDM-541);<br>hFE Test (GDM-541); LoZ ACV (GDM-533) |   |
| <b>LCD DISPLAY</b>   |   |
| 22000 counts (GDM-541), 6000 counts (GDM-533/531), 9999 counts (GDM-532)   |   |
| <b>POWER SOURCE</b>  |   |
| 1.5V AAA x 4 (GDM-541/533); 1.5V AAA x 3 (GDM-532); 1.5V AAA x 2 (GDM-531)   |   |
| <b>DIMENSIONS &amp; WEIGHT</b>   |   |
| 89(W) x 186(H) x 49(D) mm, Approx. 400g (GDM-541/533)<br>81(W) x 169(H) x 46(D) mm, Approx. 400g (GDM-532)<br>76.5(W) x 155(H) x 49(D) mm, Approx. 255g (GDM-531)  |   |