

## GDM-8251A Specifications

The specifications apply when the GDM-8251A is powered on for at least 30 minutes under +20°C~+30°C.



<b>GDM-8251A</b>	
<b>FULL SCALE</b>	
	120,000 Counts
<b>SAMPLAE RATE</b>	
Slow	5 1/2 digits, 10 readings/second
Medium	4 1/2 digits, 30 readings/second
Fast	3 1/2 digits, 60 readings/second
<b>DC VOLTAGE</b>	
Range	100mV, 1V, 10V, 100V, 1000V 5 ranges
Accuracy	±(0.012% rdg + 5 digits)
Input Impedance	10MΩ
<b>AC VOLTAGE True RMS</b>	
Range	100mV, 1V, 10V, 100V, 750V 5 ranges
Accuracy	20Hz~45Hz : ±(1% rdg + 100 digits) 45Hz ~ 10kHz : ±(0.2% rdg + 100 digits) 10kHz ~ 30kHz : ±(1% rdg + 100 digits) 30kHz~100kHz : ±(3% rdg + 200 digits)
Input Impedance	1.1MΩ in parallel with approx. 100pF
<b>DC CURRENT</b>	
Range	10mA, 100mA, 1A, 10A 4ranges
Accuracy	10mA , 100mA : ±(0.05% rdg + 15 digits) 1A, 10A range : ±(0.2% rdg + 5 digits)
<b>AC CURRENT True RMS</b>	
Range	10mA, 100mA, 1A, 10A 4ranges
Accuracy	10mA , 100mA range: 20Hz ~ 50Hz : ±(1.5% rdg + 100 digits) 50Hz ~ 10kHz : ±(0.5% rdg + 100 digits) 10kHz~20kHz : ±(2% rdg + 200 digits) 1A , 10A range: 50Hz~10kHz : ±(1% rdg + 100 digits)
<b>RESISTANCE</b>	
Range	100Ω, 1kΩ, 10kΩ, 100kΩ, 1MΩ, 10MΩ, 100MΩ 7 ranges

2W Accuracy	100Ω range : ±(0.1% rdg + 8 digits)(*) 1kΩ range : ±(0.08% rdg + 5 digits)(*) 10kΩ ~ 1MΩ 3 ranges : ±(0.06% rdg + 5 digits) 10MΩ range : ± (0.3% rdg + 5 digits) 100MΩ range : ±(3% rdg + 8 digits)
4W Accuracy	100Ω range : ±(0.05% rdg + 8 digits) 1kΩ ~ 1MΩ 4 ranges : ±(0.05% rdg + 5 digits) 10MΩ range : ±(0.3% rdg + 5 digits) 100MΩ range : ±(3% rdg + 8 digits)
<b>DIODE TEST</b>	
	Open Circuit Voltage 2.0V Test Current 0.5mA
<b>FREQUENCY</b>	
	10Hz~800kHz
<b>CONTINUITY BEEPER</b>	
	1 ~ 1000Ω Define by user
<b>TEMPERATURE</b>	
	0° C ~ 300° C : J , K , T Type
<b>OTHER FUNCTIONS</b>	
	Auto range / Manual, Math : MX + B/ % / 1/X Max, Min, dBm, dB, REL, Hold, Compare, Store, Recall
<b>DISPLAY</b>	
	VFD, Two Colors Display
<b>INTERFACE</b>	
	Digital I/O, USB Device, RS-232C
<b>POWER SOURCE</b>	
	AC 100V-240V ±10%, 50/60Hz; Power consumption : 20VA max.
<b>DIMENSIONS &amp; WEIGHT</b>	
	265(W) x 107(H) x 350(D) mm Approx. 2.6 kg
Note : (*)USE "REL" Mode	