

GDM-8255A Specifications

The specifications apply when the GDM-8255A is powered on for at least 30 minutes under +18°C~+28°C.



Note :

- All specifications are ensured only under a single display.
- At least 30 minutes of warm-up time is required before applying these specifications
- Make sure the power ground is connected

FULL SCALE		
	199,999 Counts	
SAMPLAE RATE		
Slow	5 1/2 digits, 10 readings/second	
Medium	4 1/2 digits, 30 readings/second	
Fast	3 1/2 digits, 60 readings/second	
DC VOLTAGE		
Range	100mV, 1V, 10V, 100V, 1000V 5 ranges	
Accuracy	100mV	1V ~ 1000V
	±(0.012% rdg + 8 digits)	±(0.012% rdg + 5 digits)
Input Impedance	10MΩ	
AC VOLTAGE True RMS		
Range	100mV, 1V, 10V, 100V, 750V 5 ranges	
Accuracy	100mV	1V ~ 750V
	20Hz ~ 45Hz : ±(1% rdg + 100 digits)	20Hz ~ 45Hz : ±(1% rdg + 100 digits)
	45Hz ~ 10kHz : ±(0.2% rdg + 100 digits)	45Hz ~ 10kHz : ±(0.2% rdg + 100 digits)
	10kHz ~ 30kHz : ±(1.5% rdg + 300 digits)	10kHz ~ 30kHz : ±(1% rdg + 100 digits)
	30kHz ~ 100kHz : ±(5% rdg + 300 digits)	30kHz ~ 100kHz : ±(3% rdg + 200 digits)
Input Impedance	1.1MΩ in parallel with approx. 100pF	
DC CURRENT		
Range	10mA, 100mA, 1A, 10A 4ranges	
Accuracy	10mA , 100mA : ±(0.05% rdg + 15 digits)	
	1A, 10A range : ±(0.2% rdg + 5 digits)	
AC CURRENT True RMS		
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)	

RESISTANCE	
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)
DIODE TEST	
	Open Circuit Voltage 2.0V Test Current 0.5mA
FREQUENCY	
	10Hz ~ 800kHz
CONTINUITY BEEPER	
	1 ~ 1000Ω Define by user
TEMPERATURE	
	0° C ~ 300° C : J , K , T Type
OTHER FUNCTIONS	
	Auto range / Manual, Math : MX + B/ % / 1/X Max, Min, dBm, dB, REL, Hold, Compare, Store, Recall
DISPLAY	
	VFD, Two Colors Display
INTERFACE	
	Digital I/O, USB Device, RS-232C
POWER SOURCE	
	AC 100V-240V ±10%, 50/60Hz; Power consumption : 20VA max.
OPTIONAL	
	GDM-SC1A : Multi-channels (16+2) Scanner Card (Up to 2 sets of GDM-SC1A can be installed at same time for one GDM-8255A)
DIMENSIONS & WEIGHT	
	265(W) x 107(H) x 350(D) mm Approx. 2.6 kg
Note : (*)USE "REL" Mode	