

Unrestrained Storage and Connection

Data storage no longer be bound by transmission wires



GDM-8300 Series



GWINSTEK

www.gwinstek.com

AC CHARACTERISTICS		
AC Coupled, Voltage (15°C)		
Resolution	Frequency	Accuracy 1 Year (23°C±5°C)
10µV	30Hz ~ 50Hz 50Hz ~ 10kHz 10kHz ~ 30kHz	1.00 + 40 0.50 + 40 3.00 + 50
30kHz ~ 100kHz	3.00 + 120	
30Hz ~ 50Hz 50Hz ~ 10kHz 10kHz ~ 30kHz 30kHz ~ 100kHz	1.00 + 20 0.35 + 15 1.00 + 20 3.00 + 50	
30Hz ~ 50Hz 50Hz ~ 10kHz 10kHz ~ 30kHz 30kHz ~ 100kHz	1.00 + 20 0.35 + 15 1.00 + 20 3.00 + 50	
30Hz ~ 50Hz 50Hz ~ 10kHz 10kHz ~ 30kHz 30kHz ~ 100kHz	0.50 + 15 0.50 + 15 0.50 + 15 0.50 + 15	
30kHz ~ 100kHz	---	
30Hz ~ 50Hz 50Hz ~ 10kHz 10kHz ~ 30kHz 30kHz ~ 100kHz	---	
AC Coupled, Current (15°C)		
Resolution	Frequency	Accuracy 1 Year (23°C±5°C)
500.00µA	30Hz ~ 50Hz 50Hz ~ 2kHz 2kHz ~ 5kHz	1.50 + 50 0.50 + 40 1.50 + 50
500.00mA	---	

SPECIFICATIONS *1*2

DC CHARACTERISTICS				AC CHARACTERISTICS
DC VOLTAGE				True RMS AC (or AC+DC)
Range (±3)	Resolution	Input Resistance	Accuracy 1 Year (23°C±5°C)	Range (±3)
500.00mV 5.0000V 50.000V	10µV 100µV 1mV	10MΩ or >10GΩ 10MΩ or >10GΩ 11.1MΩ	0.02 + 4 0.02 + 4 0.02 + 4	500.00mV
50.000V 500.00V 1000.0V	10mV 100mV 100mV	10MΩ 10MΩ 10MΩ	0.02 + 4 0.02 + 4 0.02 + 4	5.0000V 100µV
RESISTANCE				50.000V 1mV
Range (±3)	Resolution	Test Current	Accuracy 1 Year (23°C±5°C)	
500.00Ω 5.0000kΩ 50.000kΩ	10mΩ 10mΩ 10mΩ	0.83mA 0.83mA 0.83mA	0.10 + 5 (±4) 0.10 + 3 0.10 + 3	500.00V 10mV
500.00Ω 5.0000kΩ 50.000kΩ	10Ω 100Ω 1kΩ	8.3µA 830nA 560nA/10MΩ	0.10 + 3 0.10 + 3 0.30 + 3	750.0V 100mV
DC CURRENT				
Range (±3)	Resolution	Load Voltage	Accuracy 1 Year (23°C±5°C)	
500.00µA 5.0000mA 50.000mA	10nA 100nA 1µA	0.06Vmax. 0.6Vmax. 0.14Vmax.	0.05 + 5 0.05 + 4 0.05 + 4	500.00µA 10nA
500.00mA 5.0000A 10.000A	10µA 100µA 1mA	1.4Vmax. 0.3Vmax. 0.8Vmax.	0.10 + 4 0.25 + 5 0.25 + 5	
CURRENT				
Range (±3)	Resolution	Test Current	Accuracy 1 Year (23°C±5°C)	