

GVM-9102 Specifications

The specifications apply when the GVM-9102 is powered on for at least 60 minutes under +18 °C ~ +28 °C.



DC Characteristics ^[1]

DC Voltage

Range ^[2]	1 Year TCAL ± 5 °C	Temperature Coefficient / °C
20.00000 V	0.0100 + 0.0030	0.0010 + 0.0005
200.0000 V	0.0100 + 0.0010	0.0010 + 0.0005
2000.000 V ^[3]	0.0100 + 0.0010	0.0010 + 0.0005

Accuracy Specifications: $\pm$ (% of reading + % of range)

Measuring Characteristics

DC Voltage		Range	Input Resistance
		20 V 200 V 2000 V	30 M Ω $\pm$ 1 %
	Input Bias	30 pA (Typ, 25 °C)	
	Input Protection	2400 V on all ranges	
Measurement Method: Sigma-delta A/D Converter			
Reading Rate (Readings/sec)	DCV	Speed	Digits
		5 /s · 20 /s · 60 /s · 100 /s	6 ½
		400 /s · 1.2 k /s · 2.4 k /s	5 ½
		4.8 k /s · 7.5 k /s · 10 k /s	4 ¼

[1] DC Specification: In addition to the availability that requires warm-up of 60 minutes, it must be set in 5 /s speed rate, A-Zero on.

[2] The entire range of measurement will pass the set range by 20%.

[3] Specifications exceeding 1,000 V are linearly scaled based on 0 V to 1,000 V.

For the 2,000 V range, an additional coefficient of 0.02 ppm/V is required

General

Display	4.3" color TFT WQVGA (480 x 272) with LED backlight Supports basic number, bar meter, trend chart and histogram views
Interface	USB Host/Device, RS-232C, Digital IO, LAN and GPIB (option)
Power Source	Power Supply: AC 100 V / 120 V / 220 V / 240 V $\pm$ 10 % Power Line Frequency: 50 Hz / 60 Hz / 400 Hz $\pm$ 10 % Power Consumption: Max. 25 VA
Dimensions & Weight	Rack Dimensions (H)x(W)x(D): 88 mm x 220 mm x 276.6 mm (without bumpers) Bench Dimensions (H)x(W)x(D): 107 mm x 266.9 mm x 301.8 mm (with bumpers) Weight : 3.30 kg (7.3 lbs)