

GDM-357 (NEW)

DC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
200mV	100μV	±(0.5%+1)	Around 10MΩ	250Vac/ dc rms
2V	1mV			600Vrms /850Vpp
20V	10mV			
200V	100mV			
600V	1V	±(0.8%+2)		

AC Voltage

Range	Resolution	Accuracy 45~400Hz	Input Impedance	Overload Protection
2V	1mV	±(0.8%+3)	Around 10MΩ	600Vrms /850Vpp
20V	10mV			
200V	100mV			
600V	1V	±(1.5%+5)		

Remarks:

- Display : Mean value (RMS vale of sinewave)

DC Current

Range	Resolution	Accuracy	Overload Protection
2mA	1μA	±(0.8%+1)	Fuse: 200mA/250V, φ5 x 20mm
20mA	10μA		
200mA	100μA	±(1.5%+1)	
10A	10mA	±(2.0%+5)	Fuse : 10A/250V, φ6 x 25mm

Remarks:

- Maximum input current: 10A (For current over 5A: measuring time shall not exceed 15 second)
- Measured voltage drop: 200mV for all range

GDM-356 (OLD)

DC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
200mV	100μV	±(0.5%+1)	Around 10MΩ	250V DC or AC rms
2V	1mV			1000V DC or 750V ACrms.
20V	10mV			
200V	100mV			
1000V	1V	±(0.8%+2)		

AC Voltage (True rms)

Range	Resolution	Accuracy 40~400Hz	Input Impedance	Overload Protection
2V	1mV	±(0.8%+3)	Around 10MΩ	1000V DC or 750V ACrms.
20V	10mV			
200V	100mV			
750V	1V	±(1.2%+3)		

Remarks:

- Display effective value of sine wave (mean value response)

DC Current

Range	Resolution	Accuracy	Overload Protection
20mA	10μA	±(0.8%+1)	0.5A. 250V fast type fuse, 5x20mm
200mA	100μA	±(1.5%+1)	
20A	10mA	±(2.0%+5)	No Fused

Remarks:

- At 20A Range: For continuous measurement 10seconds and interval not less than 15 minutes
- Measured voltage drop: 200mV for all range

AC Current

Range	Resolution	Accuracy	Overload Protection
		45~400Hz	
20mA	10μA	±(1.0%+3)	Fuse: 200mA/250V, φ5 x 20mm
200mA	100μA	±(1.8%+3)	
10A	10mA	±(3.0%+5)	

Remarks:

- Maximum input current: 10A (For current over 5A: measuring time shall not exceed 15 second)
- Measured voltage drop: 200mV for all range
- Display: Mean value (RMS vale of sinewave)

Resistance

Range	Resolution	Accuracy	Overload Protection
200Ω	0.1Ω	±(1.2%+2)	250V dc or ac (rms)
2kΩ	1Ω	±(1.0%+2)	
20kΩ	10Ω		
200kΩ	100Ω		
2MΩ	1kΩ	±(1.2%+2)	
20MΩ	10kΩ	±(1.5%+2)	

Remarks:

- Open circuit voltage: ≤ 700mV

Capacitance

Range	Resolution	Accuracy	Overload Protection
2nF	1pF	±(4.0%+3)	mA to V terminal : 200mA/250V, φ5 x 20mm
20nF	10pF		
200nF	100pF		
2μF	1nF		
200μF	100nF	≤ 50μF: ±(5.0%+4) > 50μF: unspecified	

Remarks:

- The test signal is about 400Hz, 40mVrms

AC Current

Range	Resolution	Accuracy	Overload Protection
		40~400Hz	
20mA	10μA	±(1.0%+3)	0.5A. 250V fast type fuse, 5x20mm
200mA	100μA	±(1.8%+3)	
20A	10mA	±(3.0%+5)	No Fused

Remarks:

- At 20A Range: For continuous measurement 10seconds and interval not less than 15 minutes
- Measured voltage drop: 200mV for all range
- Display effective value of sine wave (mean value response)

Resistance

Range	Resolution	Accuracy	Overload Protection
200Ω	0.1Ω	±(0.8%+3)	250V dc or ac (rms)
2kΩ	1Ω	±(0.8%+1)	
20kΩ	10Ω		
200kΩ	100Ω		
2MΩ	1kΩ		
200MΩ	100kΩ	±[5.0%(rdg-10)+10]	

Remarks:

- Open circuit voltage: 700mV (At 200MΩ range, it is approx. 2.8V)
- At 200MΩ range , test lead is in short circuit , and it is normal to display 10 digits. During measurement, subtract the 10 digits from the reading.

Capacitance

Range	Resolution	Accuracy	Overload Protection
			mA to V terminal : 250Vac
20nF	10pF	±(4.0%+3)	
200nF	0.1nF		
2μF	1nF		
100μF	100nF	≤ 30μF: ±(5.0%+4) > 30μF: unspecified	

Remarks:

- The test signal is about 400Hz, 40mVrms

Frequency

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Frequency

Model	Range	Accuracy	Maximum Resolution
Frequency	2kHz	±(2.0%+5)	1Hz
	20kHz	±(1.5%+5)	10Hz

- Overload Protection: 250V AC
- Input sensitivity: ≤ 200mVrms

Diode Test

Range	Instructions	Testing conditions
	Display the forward voltage of diode (approximate value), unit "mV"	Forward DC current is about 1mA and reverse DC voltage is about 2.8V

- Overload Protection: 250Vdc or ac effective value

Diode Test

Range	Instructions	Testing conditions
	Display approximate value (500~800 mV) of forward voltage drop for diode	Open circuit is about 2.8V

- Overload Protection: 250Vdc or ac
- Resolution: 1mV

Continuity Test

Range	Resolution	Testing conditions
	If resistance ≤ 10Ω, the buzzer sounds; Display approximate resistance value, unit "Ω"	Open circuit voltage is about 2.8V

- Overload Protection: 250Vdc or ac effective value

Continuity Test

Range	Resolution	Testing conditions
	1Ω	If resistance ≤ 70Ω, the buzzer sounds

- Overload Protection: 250Vdc or ac
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Temperature Measurement

Range	Resolution	Accuracy
°C	1°C	(-40~0°C): ±(3.0%+9)
		(>0~400°C): ±(1.0%+5)
		(>400~1000°C): ±(2.0%+10)
°F	2°F	(-40~32°F): ±(3.0%+10)
		(>32~752°F): ±(1.0%+8)
		(>752~1832°F): ±(2.0%+18)

Temperature Measurement

Range	Resolution	Accuracy	Overload Protection
°C	1°C	(-40~0°C): ±(3.0%+9)	250V AC
		(>0~400°C): ±(1.0%+7)	
		(>400~1000°C): ±(2.0%+10)	
°F	2°F	(-40~32°F): ±(3.0%+10)	
		(>32~752°F): ±(1.0%+8)	
		(>752~1832°F): ±(2.0%+18)	

Other Functions

MODEL	GDM-357
Max. Display	1999
Auto Ranging	
Analog Bar	
True RMS	
Display Backlight	
Fused 10A Range	✓
Auto Power off	✓
Diode	✓
Continuity	✓
Temperature	✓
Duty Cycle(%)	
Transistor (hFE)	
REL	
Data Hold	✓
Peak Hold	
MAX MIN	
RS232C	



Other Functions:

MODEL	GDM-356
Max. Display	1999
Auto Ranging	
Analog Bar	
True RMS	
Display Backlight	✓
Fused 10A Range	
Auto Power off	✓
Diode	✓
Continuity	✓
Temperature	✓
Duty Cycle(%)	
Transistor (hFE)	
REL	
Data Hold	✓
Peak Hold	
MAX MIN	
RS232C	

