

GCM-403/ GDM-407 Specifications

The specifications apply when the GCM-403 / GDM-407 is powered on for at least 30 minutes under +20°C~+30°C.

	GCM-403	GCM-407
ACV		
Range	4V, 40V, 400V, 600V	6V, 60V, 600V, 750V
Resolution	0.001V, 0.01V, 0.1V, 1V	0.001V, 0.01V, 0.1V, 1V
Accuracy	$\pm(1.0 + 5) \sim \pm(1.2 + 5)$	$\pm(1.2 + 5) \sim \pm(1.5 + 5)$
Input Impedance	$\geq 10M\Omega // 100pF$ at least	$\geq 10M\Omega$
Frequency Response	40~400Hz	40~400Hz
ACA		
Range	40A, 600A	6A, 60A, 600A
Resolution	0.01A, 0.1A	0.001A, 0.01A, 0.1A
Accuracy	$\pm(2.5 + 5) \sim \pm(2.5 + 8)$	$\pm(2.5 + 5) \sim \pm(2.5 + 30)$
Frequency Response	50~60Hz	50~60Hz
DCV		
Range	400mV, 4V, 40V, 400V, 600V	600mV, 6V, 60V, 600V, 1000V
Resolution	0.1mV, 0.001V, 0.01V, 0.1V, 1V	0.1mV, 0.001V, 0.01V, 0.1V, 1V
Accuracy	$\pm(0.8 + 1) \sim \pm(1.0 + 3)$	$\pm(0.8 + 1) \sim \pm(1.0 + 8)$
Input Impedance	$\geq 10M\Omega$	$\geq 10M\Omega$
DCA		
Range	40A, 600A	-
Resolution	0.01A, 0.1A	-
Accuracy	$\pm(2.0 + 5)$	-
OHM		
Range	400 Ω , 4k Ω , 40k Ω , 400k Ω , 4M Ω , 40M Ω	600 Ω , 6k Ω , 60k Ω , 600k Ω , 6M Ω , 60M Ω
Resolution	0.1 Ω , 0.001k Ω , 0.01k Ω , 0.1k Ω , 0.001M Ω , 0.01M Ω	0.1 Ω , 0.001k Ω , 0.01k Ω , 0.1k Ω , 0.001M Ω , 0.01M Ω
Accuracy	$\pm(1.0 + 2) \sim \pm(1.5 + 2)$	$\pm(1.0 + 2) \sim \pm(1.5 + 5)$
DIODE		
Range	4V	6V
Resolution	0.001V	0.001V
Open-circuit Voltage	Approx. 1.48V	Approx. 3.3V
CONTINUITY		
Range	400 Ω	600 Ω
Resolution	0.1 Ω	0.1 Ω
Accuracy	The buzzer turns on for resistance lower than 10 Ω	The buzzer turns on for resistance lower than 30 Ω
Open-circuit Voltage	Approx. 0.45V	Approx. 1.2V
CAPACITANCE		
Range	40nF, 400nF, 4uF, 40uF, 100uF	99nF, 999nF, 9uF, 99uF, 999uF, 9mF, 59mF
Resolution	0.01nF, 0.1nF, 0.001uF, 0.01uF, 0.1uF	0.01nF, 0.1nF, 0.001uF, 0.01uF, 0.1uF, 0.001mF, 0.01mF
Accuracy	$\pm(4.0 + 3) \sim \pm(5.0 + 10)$	$\pm(4.0 + 5) \sim \pm 10$
FREQUENCY		
Range	10Hz, 100Hz, 1kHz, 10kHz, 100kHz, 1MHz, 10MHz	-
Resolution	0.001Hz, 0.01Hz, 0.1Hz, 1Hz, 10Hz, 100Hz, 1kHz	-
Accuracy	$\pm(4.0 + 3) \sim \pm(5.0 + 10)$	-
NCV (Non-Contact Voltage)		
Distance	-	< 10mm
Sensing	-	AC Voltage only

TEMPERATURE (°C only)		
Range	-40°C ~ 1000°C	-
Accuracy	$\pm(2.5 + 3) \sim \pm(8.0 + 5)$	-
OTHER FUNCTION		
	Data Hold, REL	Data Hold, MAX/MIN, REL, Backlight, Flashlight
LCD DISPLAY		
	Liquid crystal display: Displays 4000 counts maximum.	Liquid crystal display: Displays 6000 counts maximum.
CLAMP OPENING DIAMETER		
	28mm Maximum	30mm Maximum
POWER SOURCE		
	9V battery (16F22)	3 AAA 1.5V zinc manganese batteries
DIMENSIONS & WEIGHT		
	210 (L) x 76 (W) x30 (H) mm; Approx. 260g	228 (L) x 77 (W) x41 (H) mm; Approx. 265g (inclusive of the battery)