

## Digital Clamp Meter



### GCM-403



#### FEATURES

- \* AC/DC 600A/600V Max Input
- \* Auto Range, Auto Power Off
- \* Capacitance Measurement
- \* Frequency Measurement
- \* Temperature Measurement
- \* Max. Clamp Size :  $\varnothing$  28mm

The GCM-403 is digital clamp meter can measure AC/DC voltage, AC/DC current, resistance, diodes, continuity, capacitance, frequency and temperature. Tapered jaws, auto range, data hold, REL function and auto power off which makes it a superb tool for electricians.

SPECIFICATIONS	
<b>ACV</b>	
Range	4V, 40V, 400V, 600V
Resolution	0.001V, 0.01V, 0.1V, 1V
Accuracy	$\pm(1.0 + 5) \sim \pm(1.2 + 5)$
Input Impedance	$\geq 10M\Omega // 100pF$ at least
Frequency Response	40-400Hz
<b>ACA</b>	
Range	40A, 600A
Resolution	0.01A, 0.1A
Accuracy	$\pm(2.5 + 5) \sim \pm(2.5 + 8)$
Frequency Response	50-60Hz
<b>DCV</b>	
Range	400mV, 4V, 40V, 400V, 600V
Resolution	0.1mV, 0.001V, 0.01V, 0.1V, 1V
Accuracy	$\pm(0.8 + 1) \sim \pm(1.0 + 3)$
Input Impedance	$\geq 10M\Omega$
<b>DCA</b>	
Range	40A, 600A
Resolution	0.01A, 0.1A
Accuracy	$\pm(2.0 + 5)$
<b>OHM</b>	
Range	400 $\Omega$ , 4k $\Omega$ , 40k $\Omega$ , 400k $\Omega$ , 4M $\Omega$ , 40M $\Omega$
Resolution	0.1 $\Omega$ , 0.001k $\Omega$ , 0.01k $\Omega$ , 0.1k $\Omega$ , 0.001M $\Omega$ , 0.01M $\Omega$
Accuracy	$\pm(1.0 + 2) \sim \pm(1.5 + 2)$
<b>DIODE</b>	
Range	4V
Resolution	0.001V
Open-circuit Voltage	Approx. 1.48V
<b>CONTINUITY</b>	
Range	400 $\Omega$
Resolution	0.1 $\Omega$
Accuracy	The buzzer turns on for resistance lower than 10 $\Omega$
Open-circuit Voltage	Approx. 0.45V
<b>CAPACITANCE</b>	
Range	40nF, 400nF, 4 $\mu$ F, 40 $\mu$ F, 100 $\mu$ F
Resolution	0.01nF, 0.1nF, 0.001 $\mu$ F, 0.01 $\mu$ F, 0.1 $\mu$ F
Accuracy	$\pm(4.0 + 3) \sim \pm(5.0 + 10)$
<b>FREQUENCY</b>	
Range	10Hz, 100Hz, 1kHz, 10kHz, 100kHz, 1MHz, 10MHz
Resolution	0.001Hz, 0.01Hz, 0.1Hz, 1Hz, 10Hz, 100Hz, 1kHz
Accuracy	$\pm(4.0 + 3) \sim \pm(5.0 + 10)$
<b>TEMPERATURE (<math>^{\circ}</math>C only)</b>	
Range	-40 $^{\circ}$ C ~ 1000 $^{\circ}$ C
Accuracy	$\pm(2.5 + 3) \sim \pm(8.0 + 5)$
<b>OTHER FUNCTION</b>	
Data Hold, REL	
<b>LCD DISPLAY</b>	
Liquid crystal display : Displays 4000 counts maximum.	
<b>CLAMP OPENING DIAMETER</b>	
28mm Maximum	
<b>POWER SOURCE</b>	
9V battery (16F22)	
<b>DIMENSIONS &amp; WEIGHT</b>	
210 (L) x 76 (W) x 30 (H) mm; Approx. 260g	

#### ORDERING INFORMATION

**GCM-403** Digital Clamp Meter  
ACCESSORIES :  
User manual x 1, Test leads, Temperature probe

## Digital Clamp Meter



### GCM-407



#### FEATURES

- \* True RMS Measurement
- \* AC 600A/750V, DC 1000V Max Input
- \* Auto Range, Auto Power Off
- \* Capacitance Measurement
- \* Non-Contact Voltage sensing function
- \* Max. Clamp Size :  $\varnothing$  30mm

The GCM-407 is digital clamp meter with true RMS measurement. Featuring tapered jaws, a wide range (AC 600A/750V, DC 1000V max input), capacitance measurement as well as non-contact voltage sensing function and the ability to keep MAX/MIN or hold data and automatically power down make the GCM-407 suitable for almost any cable measurement task.

SPECIFICATIONS	
<b>ACV</b>	
Range	6V, 60V, 600V, 750V
Resolution	0.001V, 0.01V, 0.1V, 1V
Accuracy	$\pm(1.2 + 5) \sim \pm(1.5 + 5)$
Input Impedance	$\geq 10M\Omega$
Frequency Response	40-400Hz
<b>ACA</b>	
Range	6A, 60A, 600A
Resolution	0.001A, 0.01A, 0.1A
Accuracy	$\pm(2.5 + 5) \sim \pm(2.5 + 30)$
Frequency Response	50-60Hz
<b>DCV</b>	
Range	600mV, 6V, 60V, 600V, 1000V
Resolution	0.1mV, 0.001V, 0.01V, 0.1V, 1V
Accuracy	$\pm(0.8 + 1) \sim \pm(1.0 + 8)$
Input Impedance	$\geq 10M\Omega$
<b>OHM</b>	
Range	600 $\Omega$ , 6k $\Omega$ , 60k $\Omega$ , 600k $\Omega$ , 6M $\Omega$ , 60M $\Omega$
Resolution	0.1 $\Omega$ , 0.001k $\Omega$ , 0.01k $\Omega$ , 0.1k $\Omega$ , 0.001M $\Omega$ , 0.01M $\Omega$
Accuracy	$\pm(1.0 + 2) \sim \pm(1.5 + 5)$
<b>DIODE</b>	
Range	6V
Resolution	0.001V
Open-circuit Voltage	Approx. 3.3V
<b>CONTINUITY</b>	
Range	600 $\Omega$
Resolution	0.1 $\Omega$
Accuracy	The buzzer turns on for resistance lower than 30 $\Omega$
Open-circuit Voltage	Approx. 1.2V
<b>CAPACITANCE</b>	
Range	99nF, 999nF, 9 $\mu$ F, 99 $\mu$ F, 999 $\mu$ F, 9mF, 59mF
Resolution	0.01nF, 0.1nF, 0.001 $\mu$ F, 0.01 $\mu$ F, 0.1 $\mu$ F, 0.001mF, 0.01mF
Accuracy	$\pm(4.0 + 5) \sim \pm 10$
<b>NCV (Non-Contact Voltage)</b>	
Range	< 10mm
Accuracy	AC Voltage only
<b>OTHER FUNCTION</b>	
Data Hold, MAX/MIN, REL, Backlight, Flashlight	
<b>LCD DISPLAY</b>	
Liquid crystal display : Displays 6000 counts maximum.	
<b>CLAMP OPENING DIAMETER</b>	
30mm Maximum	
<b>POWER SOURCE</b>	
3 AAA 1.5V zinc manganese batteries	
<b>DIMENSIONS &amp; WEIGHT</b>	
228 (L) x 77 (W) x 41 (H) mm; Approx. 265g (inclusive of the battery)	

#### ORDERING INFORMATION

**GCM-407** Digital Clamp Meter with True RMS Measurement

ACCESSORIES :  
User manual x 1, Test leads, Carrying case

Combined Test Solutions,  
4 Commerce Way, Stanbridge Road,  
Leighton Buzzard, LU7 4RW

T: 01525 374466  
E: [sales@ctstest.co.uk](mailto:sales@ctstest.co.uk)  
W: [www.ctstest.co.uk](http://www.ctstest.co.uk)

