



# Model 3812 CL

## AC/DC Clamp Meter



### 3812CL Digital AC/DC Clamp Meter with NCV Detection

#### Features

- Full Autoranging for V, A and  $\Omega$  functions.
- Data Hold function freezes reading in dimly lit or hard to reach places.
- Low battery indication.
- Built-in buzzer for continuity test.
- Auto-zero / REL function.
- Non-contact voltage detection.
- Auto power off.

#### Accessories

Instruction manual, Test leads, Soft pouch, Battery.

#### Specifications

##### ACV

Range	Resolution	Accuracy (at 40~500Hz)
400mV	0.1mV	$\pm (2.0\% \text{ rdg}+3\text{dgt})$
4V	1mV	
40V	10mV	$\pm (1.5\% \text{ rdg}+3\text{dgt})$
400V	100mV	
600V	1V	

\*Overload protection: 600V AC RMS

\*Frequency Response: 0~400mV at 40Hz~100Hz  
4V~600V at 40Hz~500Hz

##### ACA

Range	Resolution	Accuracy
400A	0.1A	$\pm (1.5\% \text{ rdg}+4\text{dgt})$
1200A	1A	$\pm (2.5\% \text{ rdg}+4\text{dgt})$

\*Frequency Response 40Hz~500Hz

##### DCV

Range	Resolution	Accuracy
400mV	0.1mV	
4V	1mV	
40V	10mV	$\pm (1.0\% \text{ rdg}+3\text{dgt})$
400V	100mV	
600V	1V	

\*Overload protection : 600V DC

##### DCA

Range	Resolution	Accuracy
400A	0.1A	$\pm (1.5\% \text{ rdg}+4\text{dgt})$
1200A	1A	$\pm (2.5\% \text{ rdg}+4\text{dgt})$

##### Continuity Test

Range	Audible threshold
400 $\Omega$	Less than 35 $\Omega$

##### Resistance

Range	Resolution	Accuracy
400 $\Omega$	0.1 $\Omega$	
4K $\Omega$	1 $\Omega$	
40K $\Omega$	10 $\Omega$	$\pm (1.5\% \text{ rdg}+3\text{dgt})$
400K $\Omega$	100 $\Omega$	
4M $\Omega$	1K $\Omega$	
40M $\Omega$	10K $\Omega$	$\pm (2.0\% \text{ rdg}+4\text{dgt})$

\*Overload protection : 500V AC RMS or 500V


##### NCV Test

Range	Frequency
50V~1000V	AC 50Hz~500Hz

##### Diode Test

Range	Resolution	Accuracy
2V	1mV	$\pm (1.5\% \text{ rdg}+3\text{dgt})$

##### General

Measurement category: CAT III 600V  
 Indication: LED and Tone  
 Temperature: 0~40°C  
 Operating conditions: Humidity less than 80% R.H.  
 For indoor use only  
 Buzzer: < 35 $\Omega$   
 Conductor size: 40mm max.  
 Low battery indication:   
 Dimensions: 255(L) x 80(W) x 35(D) mm  
 Weight: Approx. 420g (battery included)  
 Power Source: 9V (6F22) x 1  
 Safety standard: EN 61010-1 CAT III 600V  
 EN 61010-2-32  
 EN 61010-2-33 EN 61326-1