

# 1000A DC/AC True RMS Clamp Meter

Model: 9105

## Features:

- Maximum reading of 9999
- ACA/DCA measurement up to 999.9A
- All of function from new microprocessor technology
- 9999 count digital display
- Inrush current (100ms) mode for measuring start current for motors, lighting, breaker, etc.
- Good for PWM trouble shooting and in Noisy environment measurement
- Improved low current measurement accuracy
- Temperature Compensation for Current sensor
- HOLD/PEAK Function
- MAX/MIN Function
- A-H and V-Hz function
- Auto shut-off maximizes battery life
- Large, backlit display easy to see
- Dimensions of conductor:  $\varnothing$  50mm
- EN61010-1 approval. Over-Voltage Category III 1000V

## Specifications:

### AC Current (accuracy: at the center of CT)

Range: 0 to 999.9A

Accuracy:  $\pm(2.0\%rdg+5dgts)$  on 20Hz to 100Hz

$\pm(6.0\%rdg+5dgts)$  on 100Hz to 400Hz

Resolution: 0.1A

### AC Voltage

Range: 0 to 600.0V

Resolution: 0.1V

Accuracy:  $\pm(1.0\%rdg+5dgts)$  on 20 to 100Hz

$\pm(6.0\%rdg+5dgts)$  on 100 to 400Hz

Input impedance:  $1M\Omega$

### DC Current

Range: 0 to 999.9A

Accuracy:  $\pm(2.0\%rdg+5dgts)$

Resolution: 0.1A

### DC Voltage

Range: 0 to 600.0V

Resolution: 0.1V

Accuracy:  $\pm(1.0\%rdg+5dgts)$

Input impedance:  $1M\Omega$

### Resistance (Autorange)

Range: 0 to 999.9 $\Omega$ , 1000 to 9999 $\Omega$

Accuracy:  $\pm(1.5\%rdg+5dgts)$

Resolution: 0.1 $\Omega$ /1 $\Omega$

### Frequency

Range: 20 to 400.0Hz

Resolution: 0.1Hz

Sensitivity: 5Vrms TTL signal,

$\geq 5A$  @20 to 100Hz,  $\geq 10A$  @100 to 400Hz

Accuracy:  $\pm(0.5\%rdg + 5dgts)$



### Diode Test

Accuracy:  $\pm(3.0\%rdg+3dgts)$

Resolution: 1mV

Test current: 0.2mA

Test Voltage: <2.8V

### Continuity

Audible indication: less than 30 $\Omega$

### Capacitance

Range: 0 to 999.9 $\mu F$

Resolution: 0.1 $\mu F$

Accuracy:  $\pm(5.0\%rdg + 10dgts)$

### Temperature (K-Type Thermocouple)

Range: -40 $^{\circ}C$  to 1200 $^{\circ}C$ , -40 $^{\circ}F$  to 2200 $^{\circ}F$

Accuracy:  $\pm(0.5\%rdg+1^{\circ}C)$

$\pm(0.5\%rdg+2^{\circ}F)$ , (not including thermocouple error)

Resolution: 0.1 $^{\circ}C$  on -40 $^{\circ}C$  to 999.9 $^{\circ}C$

1 $^{\circ}C$  on 1000 $^{\circ}C$  to 1200 $^{\circ}C$

0.1 $^{\circ}F$  on -40 $^{\circ}F$  to 999.9 $^{\circ}F$

1 $^{\circ}F$  on 1000 $^{\circ}F$  to 2200 $^{\circ}F$



**CHY FIREMATE CO., LTD.**  
NO.3 SHENG-LI 1ST STREET, HSIN-TIEN VILLAGE,  
JEN-TE HSIANG, TAINAN HSIEN, TAIWAN R.O.C.

Tel: 886-6-2794811

Fax: 886-6-2700227

E-Mail: chy@ksts.seed.net.tw