

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
- 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: Ø50mm
- 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 Ω

DC Current (accuracy: at the center of CT)

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 Ω

Resistance (Autorange)

Range: 0 to 999.9 Ω , 1000 to 9999 Ω

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

Resolution: 0.1 Ω /1 Ω

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: 0.001V

Test current: 0.2mA

Test Voltage: <3.0V

Continuity

Audible indication: less than 30 Ω

Capacitance

Range: 0 to 999.9 μF

Resolution: 0.1 μF

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 $^{\circ}F$



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