



Southwire®

21050T

# 400A AC/DC TrueRMS CLAMP METER

400A clamp meter combines the features needed for the professional electrician including TrueRMS readings, the ability to measure both AC and DC current, a built-in non-contact AC voltage detector, and Multimeter, Capacitance and Temperature functions.

**NON-CONTACT VOLTAGE TESTER**  
Built-in non-contact AC voltage detector

**VERSATILE**  
Measures both AC and DC currents

**RUGGED DESIGN**  
Impact resistant double molded housing also provides comfortable grip

**TrueRMS**  
For accurate measurements of non-linear loads

**MULTI FUNCTION**  
Capacitance, Frequency, Duty Cycle, and Temperature functions

**EASY TO READ DISPLAY**  
Backlit, 4000-count digital display



- 12 FUNCTIONS**
- AC Current
  - DC Current
  - AC Voltage
  - DC Voltage
  - Non-Contact AC Voltage
  - Resistance
  - Capacitance
  - Frequency
  - Duty Cycle
  - Temperature
  - Continuity
  - Diode Test



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TOOLS & EQUIPMENT

[BUILT FOR DURABILITY.  
BUILT FOR RELIABILITY.  
BUILT FOR WORK.]

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(855-798-6657)



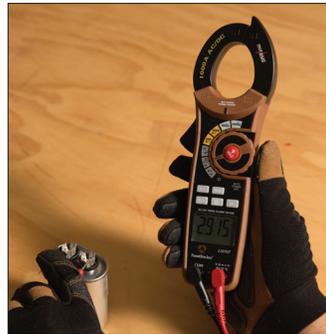
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## Features

- TrueRMS readings provide accurate results on circuits with harmonic distortion
- Measures both AC and DC current for use in multiple applications
- Capacitance, Frequency, Duty Cycle and Temperature functions
- Built-in non-contact AC voltage detector
- Impact resistant double molded housing also provides comfortable grip
- CAT III 600V, UL Listed

## Includes

- 21050T Clamp Meter
- Test Leads
- Type K Temperature Probe with Banana Plug Adapter
- Carrying Case
- Two AAA Batteries



## Specifications

FUNCTION	RANGE	RESOLUTION	ACCURACY ±(% OF READING + DIGITS)
AC CURRENT (50/60Hz)	40.00A	10mA	± (2.8% + 8)
	400.0A	0.1A	
DC CURRENT	40.00A	10mA	± (2.5% + 5)
	400.0A	0.1A	
AC VOLTAGE (50 TO 400Hz)	4.000V	1mV	± (1.5% + 5)
	40.00V	10mV	
	400.0V	0.1V	
	600V	1V	
NCV (NON-CONTACT AC VOLTAGE)	100 to 600V AC		± (2.0% + 5)
DC VOLTAGE	400.0mV	0.1mV	± (0.8% + 2)
	4.000V	1mV	
	40.00V	10mV	± (1.5% + 2)
	400.0V	0.1V	
	600V	1V	
RESISTANCE	400.0Ω	0.1Ω	± (1.0% + 4)
	4.000kΩ	1Ω	
	40.00kΩ	10Ω	± (1.5% + 2)
	400.0kΩ	100Ω	
	4.000MΩ	1kΩ	
	40.00MΩ	10kΩ	± (3.5% + 5)
CONTINUITY	Audible beeper if the resistance is <30Ω, beeper off at >150Ω		
DIODE TEST	Typical Test current and Open circuit voltage: 0.3mA/1.5V DC		
CAPACITANCE	40.00nF	10pF	± (4.0% + 20)
	400.0nF	0.1nF	
	4.000μF	0.001μF	± (3.0% + 5)
	40.00μF	0.01μF	
	100.0μF	0.1μF	
FREQUENCY	10-10kHz	0.01Hz	± (1.5% + 2)
DUTY CYCLE	0.5 to 99.0%	0.1%	± (1.2% + 2)
TEMPERATURE	-4° to 1400°F	0.1°F	± (3.0% + 9°F)
	-20° to 760°C	0.1°C	

### GENERAL SPECIFICATIONS

Safety Rating	CAT III 600V
AC Response	TrueRMS
Clamp Size	1.2 in. (30mm) approximately
Operation	Autoranging
Auto Power Off (APO)	30 min. (approximately)
Display	4000 count backlit LCD
Operating Temperature	41° to 104°F (5° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Batteries	Two AAA
Dimensions	7.9 x 2.6 x 1.5 in. (200 x 66 x 37mm)
Weight	0.45 lbs (205g)


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