



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

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

VERSATILE
Measures both AC and DC currents

RUGGED DESIGN
Impact resistant double molded housing also provides comfortable grip

12 FUNCTIONS

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

CAT III 600V
SAFETY RATED

UL US LISTED

APO

CE

NCV

TRUE RMS



Southwire™

TOOLS & EQUIPMENT

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

1-855-SWT00LS
(855-798-6657)



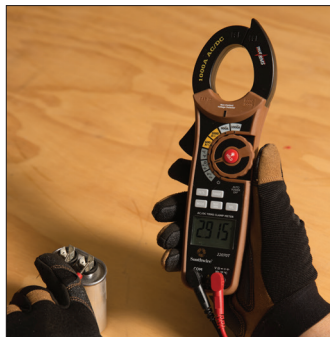
Southwiretools.com

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	± (2.0% + 5)
NCV (NON-CONTACT AC VOLTAGE)	100 to 600V AC		
DC VOLTAGE	400.0mV	0.1mV	± (0.8% + 2)
	4.000V	1mV	± (1.5% + 2)
	40.00V	10mV	
	400.0V	0.1V	
RESISTANCE	600V	1V	± (2.0% + 2)
	400.0Ω	0.1Ω	± (1.0% + 4)
	4.000kΩ	1Ω	
	40.00kΩ	10Ω	
	400.0kΩ	100Ω	± (1.5% + 2)
	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	± (3.0% + 5°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)

