



Southwire®

23090T

MaintenancePRO™ SMART 1000A CLAMP METER

Southwire's new MaintenancePRO™ 23090T adds Bluetooth® connectivity to a rugged high end clamp meter. Used with our MApp™ mobile app, the 23090T lets electricians safely get the measurements they need even in hostile environments.



BLUETOOTH®
ENABLED

BUILT IN NON-CONTACT
VOLTAGE (NCV) DETECTOR

1000A AC/DC
MAXIMUM

WORKS WITH
SOUTHWIRE'S NEW
MAPP MOBILE APP

CAPTURES INRUSH
CURRENT



Southwire®

TOOLS & EQUIPMENT

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

1-855-SWTOOLS
(855-798-6657)



Southwiretools.com

Features

- Bluetooth® interface for downloading, viewing, and sharing one Southwire **MAPP** mobile app
- Inrush Function captures motor start-up current
- Precision TrueRMS meter
- Hi-Res 50,000 count backlit display
- Rugged meter with CAT IV 600V / CAT III 1000V



- View readings and set up recording sessions right from your mobile phone
- Add photos and notes to create a detailed report
- Pull-up menu to modify meter settings remotely
- E-Mail critical equipment issues to maintenance



Specifications

FUNCTION	RANGE	RESOLUTION	ACCURACY ±(% OF READING + DIGITS)
AC CURRENT (50/60Hz)	500.00A	10mA	± (2.5% + 5)
	1000.0A	0.1A	
DC CURRENT	500.00A	10mA	± (2.5% + 5)
	1000.0A	0.1A	
ACmV	500.0mV	0.01mV	± (1.0% + 30)
AC VOLTAGE (50 TO 400Hz)	5.0000V	0.1mV	
	50.000V	1mV	
	500.00V	10mV	
	1000.0V	0.1V	± (3.0% + 8)
NCV (NON-CONTACT AC VOLTAGE)	110 to 1000V AC		
DCmV	500.0mV	0.01mV	± (1.0% + 5)
DC VOLTAGE	5.0000V	0.1mV	
	50.000V	1mV	
	500.00V	10mV	
	1000.0V	0.1V	± (1.5% + 3)
RESISTANCE	500.00Ω	0.01Ω	± (1.0% + 9)
	5.0000kΩ	0.1Ω	
	50.000kΩ	1Ω	± (1.0% + 5)
	500.00kΩ	10Ω	
	5.0000MΩ	100Ω	± (2.0% + 10)
	50.000MΩ	1kΩ	
CONTINUITY	Audible beeper < 35Ω		
DIODE TEST	Typical test current and open circuit voltage: 0.3mA/< 2V DC		
CAPACITANCE	500.00nF	10pF	± (3.5% + 40)
	5000.0nF	0.1nF	
	50.000μF	1nF	± (5.0% + 10)
	500.00μF	10nF	
	5.000mF	1μF	
FREQUENCY	50.000Hz	0.001Hz	± (0.3% + 2)
	500.00Hz	0.01Hz	
	5.0000kHz	0.1Hz	
	50.000kHz	1Hz	
	500.00kHz	10Hz	
	5.0000MHz	100Hz	
	10.000MHz	1kHz	
DUTY CYCLE	5.0 to 95.0%	0.1%	± (1.0% + 2)
TEMPERATURE	-148.0 to 1832.0°F	0.1°F	± (1.0% + 4.5°F)
	-100.0° to 1000.0°C	0.1°C	± (1.0% + 2.5°C)

GENERAL SPECIFICATIONS

Safety Rating	CAT IV 600V/Cat III 1000V
AC Response	TrueRMS
Clamp Size	1.5" (38mm)
Operation	Autoranging
Auto Power Off (APO)	30 min. (approximately)
Display	50,000 count backlit LCD
Operating Temperature	41° to 104°F (5° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Batteries	One 9V Battery
Dimensions	10.3 x 3.3 x 1.7 in. (262x 84 x 43mm)
Weight	0.69 lb (315g)

