



Southwire®

12070T

TrueRMS AUTORANGING MULTIMETER

This TrueRMS multimeter provides the durability, accuracy and performance needed for the professional user. Features include a rugged IP67 waterproof and dust proof housing, 1000V input overload protection and a UL-Listed CAT IV 600V, CAT III 1000V safety rating.



TrueRMS
For accurate measurements of non-linear loads

EASY TO READ DISPLAY
Backlit, 4,000-count digital display with bargraph

IP67 WATERPROOF
Durability in demanding environments (dry the meter thoroughly before use)

MULTI FUNCTION
10 Functions including: Capacitance, Frequency, and Temperature functions

SUPERIOR PROTECTION
1000V Input Overload Protected
UL Listed, CAT IV 600V, CAT III 1000V

RUGGED DESIGN
Impact resistant double molded housing also provides comfortable grip

10 FUNCTIONS

- AC Voltage
- DC Voltage
- AC Current
- DC Current
- Resistance
- Capacitance
- Frequency
- Temperature
- Continuity
- Diode Test

CAT IV 600V
SAFETY RATED
EN61010-1

CAT III 1000V
SAFETY RATED
IE61010-1

UL US LISTED

IP67

TRUE RMS



Southwire™

TOOLS & EQUIPMENT

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

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



Southwiretools.com



Features

- TrueRMS for accurate measurements on circuits with harmonic distortion
- Easy to read backlit 4,000-count display with bargraph
- Max/Min and Peak functions for capturing voltage fluctuations
- Magnetic hanging strap for convenient hands free operation
- IP67, dustproof and waterproof for demanding applications
- CAT IV 600V, CAT III 1000V, UL Listed

Includes

- 12070T Multimeter
- Test Leads
- Type K Temperature Probe with Banana Plug Adapter
- Magnetic Hanging Strap
- Carrying Case
- 9V Battery



Specifications

FUNCTION	RANGE	RESOLUTION	ACCURACY ±(% OF READING + DIGITS)
AC VOLTAGE (50 TO 400Hz)	400.0mV	0.1mV	± (1.0% + 8)
	4.000V	1mV	
	40.00V	10mV	
DC VOLTAGE	1000V	1V	± (1.2% + 8)
	400.0mV	0.1mV	± (0.5% + 3)
	4.000V	1mV	
	40.00V	10mV	
	400.0V	0.1V	
AC CURRENT (50 TO 400Hz)	400.0μA	0.1μA	± (1.2% + 5)
	4000μA	1μA	
	40.00mA	10μA	
	400.0mA	0.1mA	± (2.5% + 5)
	10.00A	10mA	
DC CURRENT	400.0μA	0.1μA	± (1.0% + 3)
	4000μA	1μA	
	40.00mA	10μA	
	400.0mA	0.1mA	± (2.5% + 3)
	10.00A	10mA	
RESISTANCE	400.0Ω	0.1Ω	± (0.8% + 5)
	4.000kΩ	1Ω	± (0.8% + 2)
	40.00kΩ	10Ω	
	400.0kΩ	100Ω	
	4.000MΩ	1kΩ	
	40.00MΩ	10kΩ	± (2.5% + 8)
CONTINUITY	Audible beeper if the resistance is approximately 30Ω or less		
DIODE TEST	Test current 1mA max., open circuit voltage 3V maximum		
CAPACITANCE	40.00nF	10pF	± (5.0% + 7)
	400.0nF	100pF	± (3.0% + 5)
	4.000μF	0.001μF	
	40.00μF	0.01μF	
	100.0μF	0.1μF	± (5.0% + 7)
	40.00mF	10mF	
FREQUENCY	4.000Hz	0.001Hz	± (1.0% + 3)
	40.00Hz	0.01Hz	
	400.0Hz	0.1Hz	
	4.000kHz	1Hz	
	40.00kHz	10Hz	
	400.0kHz	100Hz	
TEMPERATURE	10.00MHz	10kHz	± (1.2% + 4)
	-4° to 1400°F	1°F	± (3.0% + 8°F)
	-20° to 760°C	1°C	± (3.0% + 5°C)

GENERAL SPECIFICATIONS	
Safety Rating	CAT IV 600V, CAT III 1000V
AC Response	TrueRMS
Operation	Autoranging
Auto Power Off	30 min. (approximately) APO disable option
Display	4000 count backlit LCD with analog bar graph
Operating Temperature	41° to 104°F (5° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)

