



Southwire®

10040N

# AUTORANGING MULTIMETER

This compact multimeter is the perfect fit for the crowded tool bag. Features include a CAT III safety rating, built-in non-contact AC voltage tester, and Capacitance and Temperature functions.



**NON-CONTACT VOLTAGE TESTER**  
Built in AC NCV detector

**EASY TO READ DISPLAY**  
Backlit digital display

**MULTI FUNCTION**  
12 Functions including:  
Capacitance, Frequency,  
Duty Cycle, and Temperature

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



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



Southwire™

TOOLS & EQUIPMENT

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

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(855-798-6657)



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## Features

- Compact autoranging meter is ideal for use in the field
- 12 Functions including: Capacitance, Frequency, Duty Cycle, and Temperature
- Built in non-contact AC voltage detector
- Easy to read backlit 4,000 count display
- Impact resistant double molded housing also provides comfortable grip
- CAT III 600V, UL Listed



## Includes

- 10040N Multimeter
- Test leads
- Type K temperature probe with banana plug adapter
- 9 volt battery



## Specifications

FUNCTION	RANGE	RESOLUTION	ACCURACY ±(% OF READING + DIGITS)
AC VOLTAGE (50 TO 400Hz)	4.000V	1mV	± (1.2% + 3)
	40.00V	10mV	± (1.5% + 3)
	400.0V	100mV	
	600V	1V	± (2.0% + 4)
DC VOLTAGE	400.0mV	0.1mV	± (0.5% + 2)
	4.000V	1mV	± (1.2% + 2)
	40.00V	10mV	
	400.0V	100mV	
	600V	1V	± (1.5% + 2)
AC CURRENT (50 TO 400Hz)	400.0µA	0.1µA	± (1.5% + 5)
	4000µA	1µA	± (1.8% + 5)
	40.00mA	10µA	
	400.0mA	0.1mA	
	10.00A	10mA	± (3.0% + 7)
DC CURRENT	400.0µA	0.1µA	± (1.0% + 3)
	4000µA	1µA	± (1.5% + 3)
	40.00mA	10µA	
	400.0mA	0.1mA	
	10.00A	10mA	± (2.5% + 5)
RESISTANCE	400.0Ω	0.1Ω	± (1.2% + 4)
	4.000kΩ	1Ω	± (1.0% + 2)
	40.00kΩ	10Ω	± (1.2% + 2)
	400.0kΩ	100Ω	
	4.000MΩ	1kΩ	
	40.00MΩ	10kΩ	± (2.0% + 3)
CONTINUITY	Audible beeper if the resistance is approximately 30Ω or less		
DIODE TEST	Typical test current and open circuit voltage: 0.5mA/1.5V		
CAPACITANCE	40.00nF	10pF	± (5.0% + 7)
	400.0nF	0.1nF	± (3.0% + 5)
	4.000µF	0.001µF	
	40.00µF	0.01µF	
	100.0µF	0.1µF	± (5.0% + 5)
FREQUENCY	5.000Hz	0.001Hz	± (1.5% + 5)
	50.00Hz	0.01Hz	
	500.0Hz	0.1Hz	± (1.2% + 3)
	5.000kHz	1Hz	
	50.00kHz	10Hz	
	500.0kHz	100Hz	± (1.5% + 4)
	10.00MHz	10kHz	
DUTY CYCLE	0.1 to 99.9%	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	Average Responding
Operation	Auto Ranging
Auto Power Off	15 min. (approximately)
Display	4000 count backlit LCD
Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	14° to 140°F (-10° to 60°C)
Battery	One 9V
Dimensions	5.4 x 2.7 x 1.5 in. (138 x 68 x 37mm)
Weight	0.46 lbs (210g)

