



Extech's complete line of 3-phase testers range from a basic stand alone unit to a multimeter with built-in phase indicator or even a 1000Amp clamp-on with multiple functions plus phase indicator. Determining phase rotation is necessary when installing and repairing motors for use in industrial three phase systems.

Featuring Models with:

Motor Rotation

To avoid miswiring errors when hooking up 3-phase motors

MultiMeters with Phase Indicator

Convenience of using one meter for multiple applications

Clamp Meter with Phase Indicator

All-in-one Phase Indicator MultiMeter and Clamp Meter built into one meter

<< 380224 Heavy Duty Phase Indicator MultiMeter

is a multi-range multimeter designed for heavy industrial use. Three phase indication and wide capacitance and temperature functions make this a complete electrical tool.



480300

\$59

3-Phase Rotation Tester

Checks phase sequence and phase status

- Tests phase orientation of three phase power sources
- Indicates phase orientation (clockwise or counter-clockwise) and whether each of three phases is live
- No battery required
- Complete with attached cables and three color coded large alligator clips

Accessories

Carrying Cases

409992.....Small Vinyl Pouch Carrying Case for 480300	\$10
409996.....Vinyl Pouch Carrying Case for 480303	\$15
380995.....Vinyl Pouch Carrying Case for 380224	\$10

Replacement Test Leads

480310.....Test Leads for 480303	\$12
380952.....Test Leads for 380224	\$10
380951.....Test Leads for 380974	\$10

NIST Certificate (Where Available)

From
\$60

For an additional charge, Extech will supply your meter complete with a Certificate of Calibration Traceable to N.I.S.T. **To order meter with NIST**, add "-NIST" to the meter part number and add \$60 to the cost of your meter. (i.e. 380224-NIST \$149).

*NIST not available for 480300 or 480303

**NIST Price \$90 for 380974

Specifications

Model	480300*
Phase Sequence:	Yes
Voltage:	100 to 660V
Frequency:	50 to 70Hz
Motor rotation:	—
AC/DC Voltage (Max Res.):	—
Basic Accuracy:	—
AC Current (Max Res.):	—
Basic Accuracy:	—
Resistance (Max Res.):	—
Capacitance (Max Res.):	—
Frequency (Max Res.):	—
Temperature:	—
UL/CE/Category Rating:	CE, CAT III-600V
Dimensions:	3.5x2x1" (90x50x25mm)
Weight:	5oz (140g)
Warranty:	1 year
Price:	\$59



480303
\$109

Motor Rotation and 3-Phase Tester

Checks phase sequence and Motor Rotation

- Indicates rotation direction of the motor
- Ensures motor is not damaged from incorrect wiring
- Tests phase orientation of three phase power sources
- Indicates phase orientation (clockwise or counter-clockwise) and whether each of three phases is live
- Complete with cable, three large color coded alligator clips, and 9V battery



Perfect for Plant Maintenance
380224
\$89

Heavy Duty Phase Indicator/MultiMeter

3-phase sequence indicator plus MultiMeter with Frequency, Capacitance, and Temperature functions

- Functions include Phase, AC/DC Voltage, Capacitance, Resistance, Frequency, Temperature, Continuity and Diode
- Phase indicator identifies clockwise or counter-clockwise wiring configuration via direction of arrow on display
- Type K temperature measurements to 752°F (400°C)
- Complete with protective holster and stand, color coded test leads for phase, alligator clips, multimeter test leads, bead wire temperature probe, and 9V battery



380974
\$149

1000A AC Clamp Meter + Phase Rotation Tester

Measurements include Resistance, Capacitance, and Frequency

- AC Current measurements to 1000A with resolution of 10mA
- Jaw opening 1.6" (40mm)
- Identifies phase sequence for 3-phase (3 ϕ) motor installations
- Functions include AC Voltage, Capacitance, Resistance and Frequency
- Peak Hold captures and holds the maximum current
- Data Hold freezes the displayed value
- Complete with color coded test leads for phase, multimeter test leads, 9V battery, and carrying case

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Phase Rotation

480303*	380224	380974**
Yes	Yes	Yes
100 to 660V	80 to 480V	80 to 480V
50 to 70Hz	45 to 450Hz	40 to 400Hz
Yes	—	—
—	600V (AC: 0.1V, DC: 1mV)	AC: 600V (0.1V)
—	AC: $\pm 2.9\%$, DC: $\pm 1.2\%$	AC: $\pm 1.2\%$
—	—	1000A (10mA)
—	—	$\pm 2\%$
—	2000M Ω (0.1 Ω)	40k Ω (10 Ω)
—	20mF (0.01 μ F)	400 μ F (1 μ F)
—	100kHz (0.01Hz)	4kHz (1Hz)
—	-4 to 752°F (-20 to 400°C)	—
CE, CAT III-600V	CE, UL, CAT III-600V	CE, UL, CAT III-600V
5.9x3.3x1.5" (150x84x38mm)	5.7x2.7x1.5" (145x69x38mm)	9x3x1.5" (228x76x39mm)
10oz (283g)	12oz (340g)	13oz (370g)
1 year	1 year	1 year
\$109	\$89	\$149