

PHASE ROTATION METER

Models PMR-1 & PR-1



- Phase rotation indicators
- Fused phase rotation inputs
- Battery operated (Model PMR-1)
- Line powered — no battery (Model PR-1)
- EN 61010, 600V Cat. III

PHASE ROTATION METER Model PMR-1



Model PMR-1

This economical three-in-one test tool is a must for any plant maintenance staff and very quickly and easily will identify proper sequencing for three phase power motors. This is also an ideal tool for measuring the proper rotation of motors, conveyors, pumps and other electrical devices interconnected on the power line system before installation. This meter has been designed according to EN 61010, Safety Requirements for Electronic Measuring Apparatus.

SPECIFICATIONS

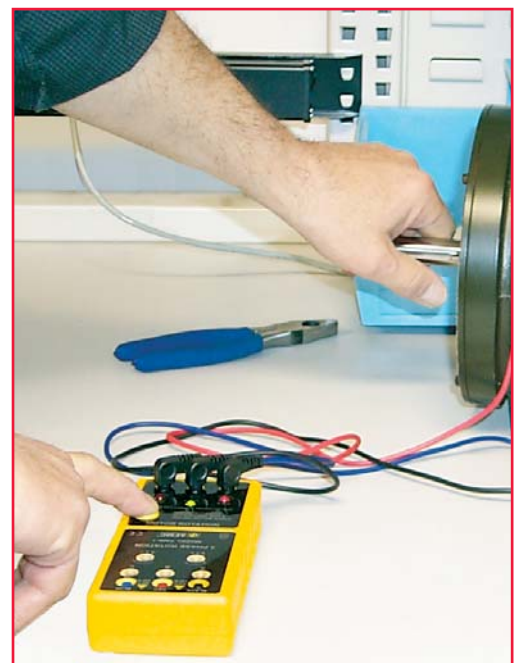
MODEL	PMR-1
MEASUREMENTS	
Input Voltage	100V to 600VAc max
Frequency Range	45 to 70Hz
Power Source	9V Alkaline battery
Phase Motor Indication	ABC or BAC
Input Protection	A (black) and C (blue) phase rotation inputs
Motor Rotation Indication	ABC or BAC
Open Phase Indication	A, B, C
MECHANICAL	
Dimensions	6.02 x 2.83 x 1.37" (153 x 72 x 35mm)
Weight	6.37 oz (182g) approx.
SAFETY	
Safety Rating	EN 61010, 600V Cat. III, Pollution Degree 2
Double Insulation <input type="checkbox"/>	Yes

FEATURES

- Three functions in one unit
 1. Phase sequence indication
 2. Motor rotation indication
 3. Open phase indication
- Fused phase rotation inputs
- Battery operated
- Meets EN 61010, 600V Cat. III safety requirements
- Includes three 4 ft leads with large alligator clips and soft carrying case

APPLICATIONS

- Installation of conveyor lines, pumps, systems and other electrical interconnected devices
- Verify proper wiring



Model PMR-1 verifying motor rotation

PHASE ROTATION METER Model PR-1



Model PR-1



The Phase Rotation Meter Model PR-1 is a compact and rugged meter designed to identify phase sequence on three-phase systems and identify open/de-energized phases. The Model PR-1 is ideal for installing rotating machinery, motors and for checking generator output. It is EN 61010, 600V Cat. III rated and fuse protected.

FEATURES

- Phase rotation (ABC or BAC)
LED Indicators
- Bright LED indication of Live or Open Phase (A, B, C)
- Fuse protected inputs
- Double insulated case
- Color-coded 5 ft leads and alligator clips
- Permanently attached loss-proof leads
- Tangle proof lead separators
- Simple operation
- Line powered — no battery
- EN 61010, 600V Cat. III

APPLICATIONS

- Identify proper phase sequence
- Detect missing wire phases
- Find open or blown phases
- Determine proper connections for rotating machinery
- Detect live circuits

SPECIFICATIONS

MODEL	PR-1
MEASUREMENTS	
Input Voltage	100 to 600VAc
Frequency Range	45 to 70Hz
Live/Open Phase Indication	A, B, C
Phase Rotation Indication	ABC and BAC
Power Source	Circuit under test
MECHANICAL	
Leads	Attached 5 ft, terminated with insulated alligator clips
Dimensions	4 x 3 x 1.25" (102 x 78 x 32mm)
Weight	4 oz (95g) approx.
ENVIRONMENTAL	
Temperature	32° to 104°F (0° to 40°C)
Relative Humidity	0 to 80%
SAFETY	
Safety Rating	EN 61010, 600V Cat. III, Pollution Degree 2
Double Insulation <input type="checkbox"/>	Yes

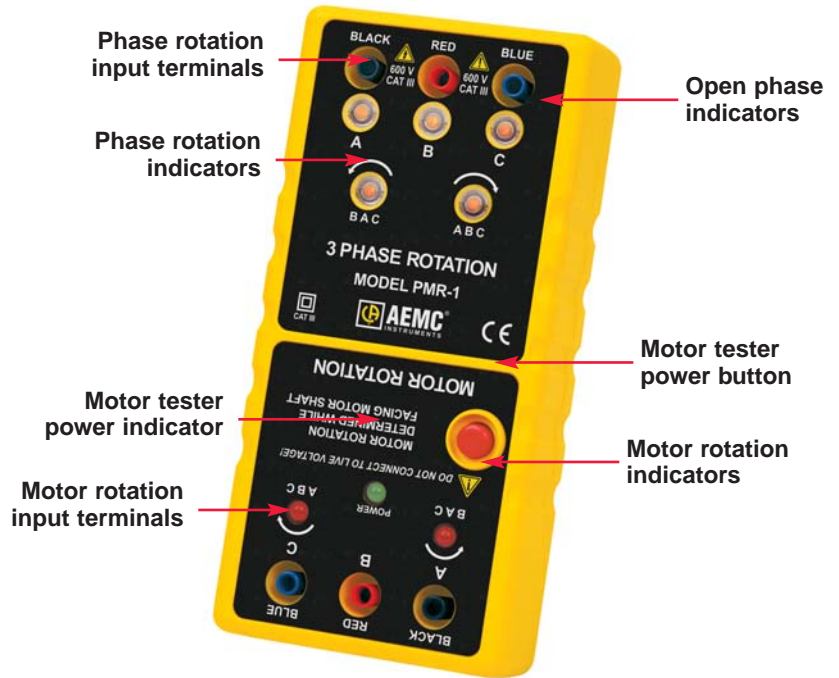


Model PR-1 quickly identifies proper phase sequence in an industrial panel

CONSTRUCTION



Model PMR-1 includes carrying case and 4 ft test leads (black, red and blue) with large alligator clips



Phase rotation input terminals

Phase rotation indicators

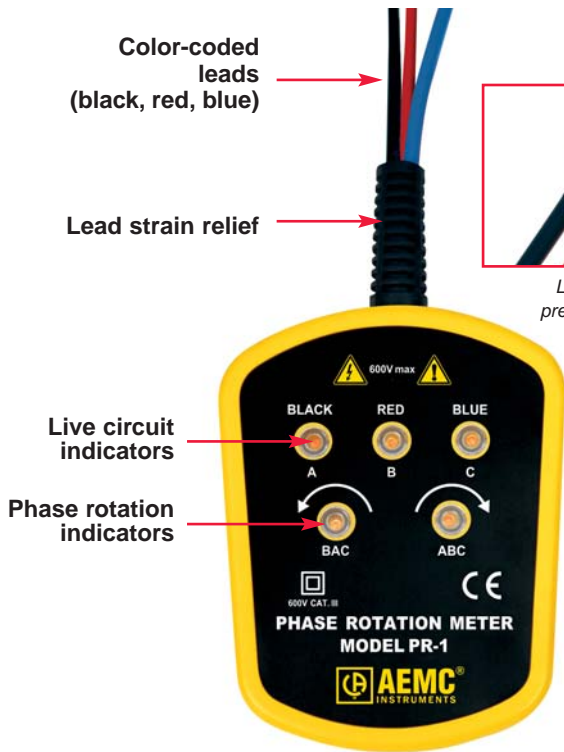
Open phase indicators

Motor tester power indicator

Motor tester power button

Motor rotation input terminals

Motor rotation indicators



Color-coded leads (black, red, blue)

Lead strain relief



Lead separator to prevent tangled leads

Live circuit indicators

Phase rotation indicators



Model PR-1 includes meter with attached 5 ft color-coded leads and alligator clips, soft carrying case and user manual

ORDERING INFORMATION	CATALOG NO.
Phase & Motor Rotation Tester Model PMR-1	Cat. #2121.04
Includes meter with test leads (black, red and blue), carrying case and user manual	
Phase Rotation Meter Model PR-1	Cat. #2121.06
Includes meter with attached 5 ft color-coded leads and alligator clips, soft carrying case and user manual	



Call the AEMC® Instruments Technical Assistance Hotline for immediate consultation with an applications engineer: **(800) 343-1391**

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