



# P81000 Phase Rotation Detector



## PRODUCT FEATURES

- 3-phase rotation detection: normal phase, reverse phase and phase deficiency
- Functionality options include detection of live wires, simple power, fire-wire, breakpoint location, DC line break and line maintenance
- Dynamic LED display
- Magnetic base plate footings allow temporary mounting to metal surfaces
- Power-saving performance with maximum rated power of 100mVA

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# Phase Rotation Detector



## GENERAL CHARACTERISTICS

**PART NUMBER**  
P81000

**POWER**  
AA1.5Vx2

**INPUT VOLTAGE**  
70 - 600VAC

**FREQUENCY RANGE**  
40 - 70 Hz

**PRODUCT SIZE**  
2.75" x 2.95" x 1.18"  
(70mm x 75mm x 30mm)

**PRODUCT NET WEIGHT**  
.36 lbs. (164g)

**STANDARD INDIVIDUAL PACKAGING**



**STANDARD QUANTITY PER CARTON**  
1 pc.

**MEASUREMENT OF STANDARD CARTON**  
7" x 5" x 5"  
(177.8mm x 127mm x 127mm)

**WEIGHT OF STANDARD CARTON**  
1.1 lbs. (499g)

## SPECIFICATIONS

Power Supply	2 AA batteries
Clamp Wire Size	Diameter $\varnothing$ .06 - $\varnothing$ .63" ( $\varnothing$ 1.6 - $\varnothing$ 16mm)
Live Voltage Range	A/C 70 ~ 1000V
Auto Power Off	Meter automatically powers off after 5 minutes of inactivity
Working Temperature	-10 ~ 50°C (14 ~ 122°F); below 80%rh
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F); below 90%rh
LED Display	Positive phase sequence: The four-phase sequence lamps blink in order (clockwise) Negative phase sequence: The four-phase sequence lamps blink in order (counterclockwise) Live voltage indication: L1/L2/L3 lamps light up Default phase: L1/L2/L3 lamps are off Open circuit: L1/L2/L3 lamps are off
Beep	Positive phase sequence: Intermittent short beeps Negative phase sequence: Continuous long beeps
Magnetic Force	Magnetic base plate footings allow temporary mounting to metal surfaces
Clamp Lead Length	1.96' (0.6m)
Maximum Measured Voltage	A/C 1000V
Dielectric Strength	5.4kVrms
Maximum Rated Power	300mVA
Safety Provisions	EN61010-1: 2001, EN61010-031: 2002, Pollution level 2, CAT 3 (600V)
Meter Weight	.44 lbs. (200g) with battery
Meter Dimensions	Width, height, thickness 2.75" x 2.95" x 1.18" (70mm x 75mm x 30mm)

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