BEHA·AMPROBE®

PRM-5-EUR
Phase Rotation Tester

PRM-6-EUR
Motor and Phase Rotation Tester

Don't second guess three-phase systems

If you install or connect 3-phase motors and systems, you recognize the importance of verifying the correct motor rotation and wiring phase sequence. Improper connections can cause motors to rotate in reverse direction, potentially damaging the motor and the equipment it is powering.

Not requiring a battery to operate, the PRM-5-EUR is a simple and reliable tester to check for proper phase sequence in 3-phase cables and receptacles.

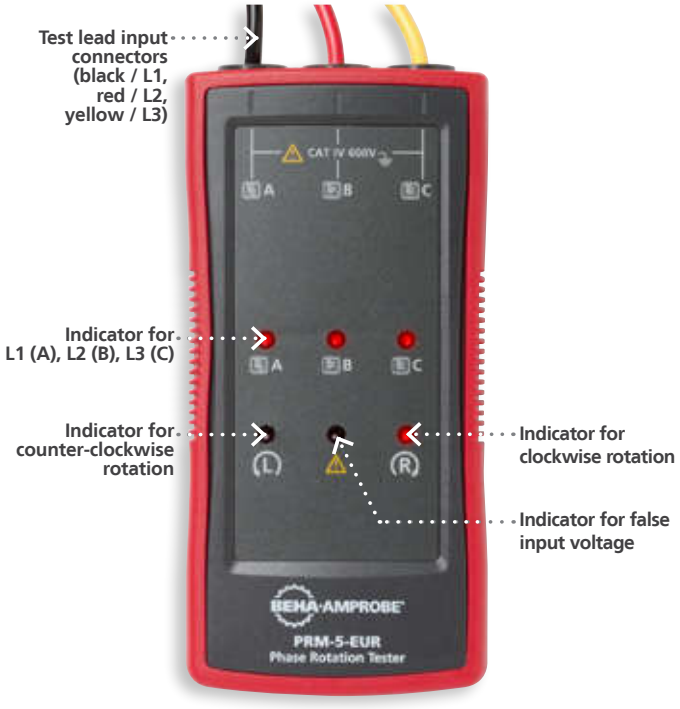
Along with the PRM-5-EUR functionality, the PRM-6-EUR has a clear, backlit LCD display and can test motor rotation of disconnected motors, using test leads. An advanced feature of the PRM-6 is non-contact motor rotation detection, which senses motor rotation direction without test leads.

This is particularly useful for fast-running motors when the motor rotation cannot be visually determined or when the drive shaft is not visible.

Durably constructed with a rubber outer casing, the PRM-5-EUR and PRM-6-EUR are CAT IV 600 V rated, and conform to EN 61010 and EN 61557 standards, making them essential tools for motor rotation and phase sequence testing in commercial and industrial environments on electrical systems up to 700 V.

Features	PRM-5-EUR	PRM-6-EUR
3-phase wire sequence indication	•	•
Synchronous or asynchronous motor rotation direction		•
Error displays (missing phase, one input connected to neutral or PE or the voltage difference between the phases exceed 30% phase to phase or 65% between phase to neutral)	•	•
Non-contact, wireless motor rotation detection on running motors		•
Clear LCD, backlit display with easy to read symbols		•

Common features include durable, rubber casing, 3-phase to phase voltage up to 700 V, drop-proof to 1 meter and CAT IV 600 V.



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PRM-5-EUR and PRM-6-EUR Applications

- **Phase sequence test to validate correct connections and identifies faulty 3-phase wiring** with de-energized phases or incorrectly wired receptacles (PRM-5-EUR and PRM-6-EUR)
- **Motor rotation test to check the correct rotation** of motors prior to connection by attaching leads to motor wires, and rotating shaft by hand or other means (PRM-6-EUR).
- **Non-contact motor rotation test to determine the rotation of running motors** by placing meter on the motor casing (PRM-6-EUR)
- **Easily and accurately test CEE 16 A and CEE 32A sockets** with optional 1324 Accessory Set Unidreh


Validate receptacle wiring


Wireless motor rotation detection


Check motor rotation prior to connection

Product Specifications

Feature	PRM-5-EUR	PRM-6-EUR
3-Phase indication and open-phase check	LED	LCD
Phase rotation indication	Voltage range (frequency): 100 - 700 V (16 – 400 Hz) Nominal test current: < 3.5 mA	Voltage range (frequency): 40 – 700 V (16 – 60 Hz) 50 – 700 V (60 to 400 Hz) Nominal test current: < 3.5 mA
Non-contact, wireless motor rotation detection		Frequency range: 16 – 400 Hz
Motor rotation test (hand crank)		Voltage range: ≥ 1 V – 700 V Frequency range: 2 – 400 Hz Nominal test current: < 3.5 mA

General specifications		
Operating temperature	0°C to 40°C (32°F to 104°F)	
Operating altitude	Up to 2000 m	
Power	From unit under test	AAA battery (2)
Dimensions	137 x 65 x 33 mm (5.43 x 2.56 x 1.3 in)	
Weight	PRM-5-EUR: 253 g (0.56 lb) with test leads PRM-6-EUR: 170 g (0.38 lb) (battery installed)	
Product Standard	EN 61557 -1/-7	
Electrical safety	Conforms to EN 61010-1, EN 61010-031, EN 61557-1, EN 61557-7 , EN 61326-1	
Safety rating	CAT IV 600V	
Agency approval	CE	CE



PRM-5-EUR
Phase Rotation Tester
Accessories Included: 3 test leads (non-detachable), 3 test probes, 1 alligator clip, user manual, carrying bag.



PRM-6-EUR
Motor and Phase Rotation Tester
Accessories Included: 3 test leads, 3 test probes, 3 alligator clips, user manual, carrying bag, 2 AAA batteries.

Optional Accessories

TL-PRM-6 Test Lead Set



Optional 1324 Accessory Set Unidreh allows a perfect and easy connection to CEE 16 A and CEE 32 A sockets, CAT II 1000V



Beha-Amprobe® | In den Engematten 14 | 79286 Glottertal, Germany | Tel: +49 (0) 7684 8009-0 | info@beha-amprobe.de | www.Beha-Amprobe.com
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