

PSI410

Phase sequence indicator



- LED clockwise and counter clockwise phase rotation indication
- Audible indication of direction
- Phase condition LEDs
- Fused test leads
- Croc clips and prods provided
- Dual phase colour identification

DESCRIPTION (BODY HEADER)

Electrical work on commercial and industrial installations often requires working on motorised machinery with three phase supplies. Correct sequence of the phases is important with certain motors and pumps as damage to brakes and valves will occur in minutes with incorrect phasing.

The Megger PSI410 phase rotation indicator provides rapid indication of correct phase sequence utilising a three bi-coloured LED display and a specific audible tone. Clockwise rotation is indicated by clockwise rotating green LEDs with a continuous tone and counter clockwise rotation has counter clockwise rotating red LEDs and a warbling tone.

To avoid the display rotating at the supply frequency the unit has been designed to provide a slow rotational speed of the display to allow easy indication of rotation.

Dual phase colour coding has been adopted for the PSI410 to allow ease of use on both Brown / Black / Grey and Red / Yellow / Blue colour coded supplies.

The PSI410 also features a triple bi-coloured LED display that indicates that all three phases are present. A green LED indicates the phase is present while a red LED shows a missing phase connection.

The unit has a tough rugged case designed for an industrial environment and is supplied with long fused test leads with croc-clips and prods. The prods have insulated tips that provide less than 4 mm exposed tip. The PSI410 is self powered from the supply and requires no batteries.

APPLICATION

The PSI410 is an ideal addition to an electrician's tool kit where currently owned test instruments do not feature phase rotation. The unit provides a quick and simple means of checking phase sequence on motor, pump and air conditioning three phase supplies.

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SPECIFICATIONS

Phase rotation indicator	3 x red / green LEDs
Phase indication	195 to 265 V
Tone generation	Clockwise rotation = continuous tone Counter clockwise = warble tone (0.4 s on / 0.4 s off)
Voltage	Maximum (phase to phase) 500 V
Frequency:	50 Hz +/- 1 %
Indicators	L1 (Brown / Red) L2 (Black / Yellow) L3 (Grey / Blue)
Power supply	Power drawn from a minimum of two phases connected in any position

SAFETY

Operating temperature range and humidity	5 °C – 40 °C <80 % RH
Storage temperature range	0 – 40 °C
IP rating	IP54
Safety	The instrument complies with IEC61010 CAT IV 600 V Tips and probes comply with IEC61010-031 CAT IV 600 V

MECHANICAL

Dimensions	78 mm x 137 mm x 31 mm
Lead length	830 mm
Test lead	500 mA 600 V FF
Weight	850 g
Usage	The PSI410 is suitable for intermittent tests only and should not be used for continuous monitoring of phase rotation.

ORDERING INFORMATION

Description	Part number	Description	Part number
PSI410 Phase sequence indicator	1001-612	Included Accessories	
		Croc clips and Prods	
		Optional accessories	
		PSI410 3 x tips, 3 x croc clips	1007-289

PSI410_Ds_en_V02

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ISO 9001

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