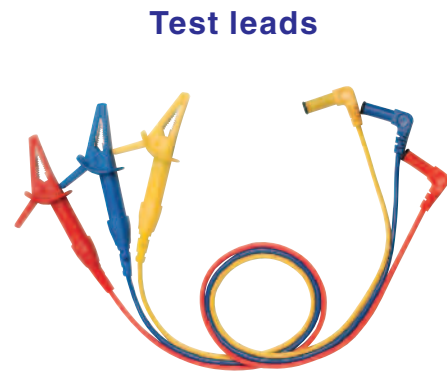




STANDARD

Test & Measuring Instruments

PHASE SEQUENCE INDICATOR



4156 PR

APPLICATIONS

The **4156 PR** is used to identify the leads of a disconnected motor so that when the motor is in true phase sequence, it will run in the desired direction. The identification process is necessary before a motor can be connected. The tester is also used to identify true phase sequence of energized AC power lines up to 600 AC volts. The other functions of the **4156 PR** include the determination of transformer polarity and testing of circuit continuity.

OPERATION : The 4156 PR has three individual ranges for different applications.

1. In the PHASE ROTATION range, the meter is connected in the phase sequence circuit and the red terminals for phase rotation may be used to make a phase sequence measurement. The batteries are disconnected for the testing.
2. In the MOTOR range, the meter is disconnected from the phase sequence circuit and connected in the motor rotation circuit. The batteries are connected for the testing. The yellow terminals may now be used for a motor rotation test.
3. In the TRANSFORMER range, the meter and batteries are connected so that the yellow terminals can be used for a transformer polarity test. It is also designed for circuit continuity tests. Users can connect test leads to L1 and L2 terminals for continuity checking.

DESCRIPTION

The three red terminals on the right side (R, S, T) are used to connected to **energized ac** power systems up to **600 volts**. The other three yellow terminals on the left side (L1, L2, L3) are for connection to **de-energized** equipment. **Do not connect to Live Voltage !** The *Momentary Test* push-button is used to identify transformer polarity. Deflection of the rotation pointer indicates transformer polarity. Read either *Subtractive* on the right, or *Additive* to the left. The *Zero Adjustment knob* is used to check continuity.

Three 50cm-long test leads are supplied with the **4156 PR**. Each comes with a wide grip crocodile clip. The enclosure of the **4156 PR** is made with high impact ABS. The dimension of the tester is approx. 25 x 19 x 11 cm with the cover closed. The tester weight approximately 1.28 kg.

- **Safety Standard : IEC/EN 61010-1 CAT III 600V**

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