

The Tekneka PR811 is a reliable, non-contact instrument designed for electrical professionals working on 3-phase systems. It provides a safe and effective method to determine both the presence of live lines and the correct phase sequence. By simply clipping the inductive probes onto the insulated conductors, the PR811 indicates phase rotation and line status in systems ranging from 70 ~ 1000V AC. The PR811 delivers immediate feedback via clear LED indicators and an integrated buzzer. Adhering to strict safety standards, specifically CAT III 1000V / CAT IV 600V, the PR811 supports technicians in maintaining system integrity and ensuring safe operations.

Features

- Non-Contact Measurement:** Indicates live line presence and phase sequence by clipping over the jacket of a conductor.
- Voltage Range:** Operates reliably across a 3-Phase AC range of 70 ~ 1000V (Voltage to earth, continuous sine wave).
- Safety Compliance:** Designed to the international safety standard IEC 61010-1 (CAT III 1000V / CAT IV 600V Pollution degree 2).
- Phase Sequence Indication:** Clearly shows positive phase (clockwise Green LED, intermittent beep) or inverse phase (counter-clockwise Red LED, continuous beep).
- LED Brightness Control:** Equipped with a brightness switch to ensure the indication is visible in dimly lit environments.
- Convenient Mounting:** Features a magnet on the backside for easy, hands-free attachment to a distribution board during measurements.
- Battery Saver:** Incorporates an Auto Power Off function that powers down the instrument after 10 minutes of inactivity



Applications

The PR811 is required by electrical professionals and maintenance technicians responsible for the installation and servicing of 3-phase systems. It's necessary for anyone working on 3-phase motors, pumps, and industrial machinery to ensure the correct phase sequence and prevent costly damage from reverse operation. Essentially, it's a mandatory safety and efficiency tool for electrical workers across the manufacturing, commercial, and industrial sectors.

| General Specifications            |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| Voltage Range                     | 70 ~ 1000V AC, 3-Phase (Voltage to earth, continuous sine wave)                       |
| Frequency Range                   | 45 ~ 66Hz                                                                             |
| Conductor Size                    | Ø2.4 to 30mm external diameter (covered conductor)                                    |
| Cable Length                      | 74cm                                                                                  |
| Dust-Proof                        | IP40 (IEC 60529)                                                                      |
| Insulation Resistance             | 10MΩ at 1000V (between Measurement clip tip and enclosure)                            |
| Battery                           | 9V Alkaline, IEC 6LR61                                                                |
| Auto Power Off                    | After 10 minutes of inactivity                                                        |
| Low Battery Warning               | Power LED flashes at 7.2 ± 0.2V or less                                               |
| Automatic Power Off (Low Battery) | Automatic power off at 6.2 ± 0.2V or less                                             |
| Applicable Standards              | IEC 61010-1 Measurement CAT III 1000V / CAT IV 600V Pollution degree 2, IEC 61010-031 |
| Operating Temperature             | -10 ~ 50°C                                                                            |
| Storage Temperature               | -20 ~ 60°C                                                                            |
| Dimension (L x W x H)             | 13.3 x 7.2 x 2.7cm   Box: 21 x 13.5 x 7cm                                             |
| Weight                            | 340g   Box: 500g                                                                      |

Package Includes

- User manual
- 9V battery
- Instrument case

Ordering Info.

PR811..... Phase Rotation Indicator