

Cable Fault Location Bridge

This cable fault location bridge is designed to accurately pinpoint faults in various types of cables. The device incorporates a Wheatstone bridge circuit for precise resistance measurements, enabling the identification of short circuits, open circuits, and insulation faults.



Product Overview

Precision Fault Location

This Cable Fault Location Bridge is a specialized instrument designed for accurate fault pre-location in high, medium, and low voltage power cables ranging from 380V to 220KV. Utilizing the bridge balance method, it offers a blind-zone-free testing experience, making it highly effective for short cables and difficult-to-locate high-resistance breakdown points. Its robust design ensures reliability for industrial maintenance and utility applications.

Technical Specifications

No-load Voltage	5 KV
Optional Voltage	15 KV
Short-circuit Current	30 mA
Burn-through Power	250 W
Positioning Precision	$\pm(0.2\% \times L + 1)$ m

Physical Characteristics

Weight	10 kg
Size	38cm x 36cm x 27cm

Power Requirements

Power Supply	220V \pm 15%
--------------	----------------

Applications

Supported Applications

- Fault pre-location for 380V-220KV power cables
- Outer sheath fault location for 35KV-220KV cables
- Overhead cable fault location for single core insulated cables
- High resistance breakdown point location in intermediate joints
- Short cable fault testing (1m-40m)
- PVC insulated cables and cables with poor wave properties