



GDEB-5 Digital Electric Bridge



General Information

5kV digital high voltage electric bridge (hereinafter referred to as 5kV digital electric bridge) is designed based on MURRAY electric bridge principle. It is suitable to locate breakdown point of various power lines and cables after being laid, as well as insulation flaws where there is no breakdown but insulation resistance value is quite low. Besides, it can also be used to locate defects of various lines and cables for cable factory.

Switching power supply serves as HV constant current power source. Short circuit current is 5mA. Fully automatic test, auto voltage boost and measurement. Distance of cable fault is given automatically after inputting total length of the cable. Color touch LCD screen, clear and intuitive, user-friendly.

Application

Location of high impedance breakdown point after the cable is laid, especially for linear high impedance breakdown point at the intermediate joint of cable.

Location of flash-over breakdown point. After breakdown, arc is sustained by constant current power source. Stable current goes through electric bridge. Electric bridge has good sensitivity.

Location of defect where there is no breakdown under running voltage but impedance value is low.

Specification

Test voltage	0~5000V
Voltage step	1kV, 2kV, 5kV, user-defined
Test current	≥2mA
Loop resistance	Min. 0.1Ω
Test method	One button operation, automatic test
Power supply	12VDC storage battery
Display	7 inch color LCD touch screen
Work time	>2.0h (theoretical value for continuous use)
Size	340*260*170 mm
Weight	5.3 kg

Packing list

Main unit	1 set
Short connecting line	1 roll
Ground cable	1 roll
Battery charger	1pc
User's guide	1 copy
Factory test report	1 copy
Warranty card	1 copy