

Ronaldo Cable Fault Locator



Features

- High Surge Energy: Up to 1800 J
- Reflection Measurement
- Multiple Pre-locating Methods:
 - Low Voltage Pulse Method
 - ICM (impulse current method)
 - ARM Measurement(Arc reflection method)
 - X-axis Auxiliary Locating Method
- All-in-one Design
- Locating Distance: Up to 100km



Description

The Ronaldo Cable Fault Locator manufactured by Beijing KGT is mainly composed of Ronaldo HV (High Voltage) Generator and TDR-RT Time Domain Reflectometer, including various Pre-location methods, such as low voltage pulse method, ICM (impulse current method), ARM measurement(Arc reflection method), X-axis method auxiliary locating method. It can resolve the malfunctions and locate the fault points, which contains low resistance, high resistance, intermittent, flashover, leak and disconnection fault on various cables of 380V, 6KV, 10KV, 35KV, 110KV, 220KV.

TDR-RT reflection method can locate disconnected and low resistance faults, which is also able to measure the full length of the cable or correct the wave speed. Big wheels make it easy for customer to use at any site.

Application

- Rail Transit
- Petrochemical
- New Energy
- Power Grid
- Cable Plant
- Metallurgy
- Power Plant



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Technical Specifications

Ronaldo HV Generator	
Output Surge Voltage	0~30kV (Continuous adjustable)
Cable Voltage	380V-220kV
Maximum Burning Energy	800W
Maximum Burning Current	30mA
Capacitance	4μF
Maximum Single Surge	1800J
Insulation Testing	2kΩ—10MΩ
Operation Temperature	-15℃~50℃
Dimension	45.6cm × 51.2cm × 111.5cm
Weight	86 kg
Power Supply	220V15%, 1 kVA
Protection Degree	IP53
Ronaldo Time Domain Reflectometer	
Measurement Range	0~100km
Resolution	0.4m
Accuracy	±0.2%L (m) (V=160m/μs)
Pulse Width	50ns~10μs
Language	Chinese/English
Rechargeable Battery	3.5 hours
Sampling Rate	200MHz
Wave Velocity	100~300m/μs
Memory	More than 1000
Display	6"Color Screen 800×600