

HF-CH-222

Mining Cable Fault Detector



The Mining Cable Fault Detector accurately locates open-circuit and short-circuit faults of mining power cables. It adapts to complex underground working conditions, supporting fast fault positioning and improving efficiency for mine power maintenance.

Key features

- Consists of control unit (low voltage), high-voltage rectifier, discharge and test section. Sufficient safety clearance is reserved between low/high voltage circuits and enclosure.
- High-voltage startup requires dedicated key operation to protect equipment and personnel safety.
- DC withstand voltage test time can run automatically by timer or manual control for precise and reliable testing duration.
- Leakage current can be measured on demand during voltage withstand tests.
- Built-in overcurrent and short-circuit protection, with startup alarm and overcurrent protection functions.

Technical specifications

Parameter	Value
Input Power	Single-phase AC 220V, 50Hz
DC Output Voltage for Fault Detection	0-30KV (button control)
Fault Location Accuracy	Within ±50 mm
DC Test Output Voltage	0-30KV (button control)
Automatic Withstand Voltage Test Duration	0-30 min (adjustable)
Leakage Current Measuring Range	0-100 uA
Rated Capacity of Main Transformer	3KVA
Rectification Mode	Single-phase half-wave
Discharge Ball Gap	Adjustable via handle screw rod
Overall Dimensions	900×850×1200mm (W×D×H)

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.