

HF-CH-212

Cable Fault Burn Down System



The Cable Fault Burn Down System adopts high-voltage breakdown technology to carbonize faulty insulation layers, converting high-resistance hidden cable faults into stable low-resistance faults. It greatly boosts the accuracy and efficiency of underground power cable fault searching, widely used in power grid maintenance and cable engineering troubleshooting.

Key features

- The device adopts a switching power supply to form a high-voltage constant current source, delivering high voltage output and highly stable current performance.

Technical specifications

Parameter	Value
Cable Burn-down Function	Output Voltage Continuously adjustable from 0 to 60 kV
Short-circuit Current	Approx. 600 mA
Bridge Measurement Function	Output Voltage 0 ~ 3 kV
Short-circuit Current	Approx. 600 mA
LCD Screen	128×64 resolution
Location Accuracy	± (0.2%-L + 1) m
Measuring Range	1 m ~ 50,000 m
Operation Keypad	One-key automatic operation
Power Supply	Input 220V AC ± 10%, 50Hz
Rated Power	- 1 kVA; Can be powered by generator (power >= 1 kW)
Weight	Main Unit: approx. 35.7 kg; Accessories Kit: 7.5 kg
Overall Dimension (L × W × H)	50 cm × 31 cm × 47 cm
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +70°C

Standard scope of supply

No.	Item	Qty	Notes
1	HZ-MB10 High Voltage Bridge Main Unit	1 Set	Core host
2	4-core shielded high voltage measuring cable	1 Set	For high-precision testing
3	Insulated operating rod	1 Piece	For high-potential safe operation
4	High voltage connecting cables & earthing wires	1 Set	Complete wiring assembly
5	Test clips, probes and connecting terminals	1 Pack	Auxiliary test fittings
6	Power supply cord	1 Piece	AC 220V input cable
7	Spare fuses	1 Set	Consumable spare parts
8	Insulated safety gloves	1 Pair	High voltage operation protection
9	English Operation Manual	1 Copy	User guide
10	Factory Calibration Certificate	1 Copy	Metrology calibration document

No.	Item	Qty	Notes
11	Product Quality Inspection Report	1 Copy	Factory test document
12	Packing List	1 Copy	Customs & delivery document
13	Portable shockproof pull rod carrying case	1 Unit	Integral packaging box

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.