

HF-CH-204

Cable Fault Locator



This lightweight Cable Fault Locator supports three testing modes to detect short circuits, open circuits and high-resistance cable faults. With 400MHz high sampling frequency and 0.1m resolution, it features touch control, large sunlight-readable screen and long battery life for outdoor power cable maintenance.

Key features

- Multiple distance measurement methods
- Multiple pulse method : The world's advanced ranging technology, an upgraded version of the secondary pulse method. Waveforms are easy to identify with superior ranging accuracy.
- Automatic measurement function Automatically selects the optimal range and gain, and calculates fault positions to simplify testing. Only available for low-voltage pulse mode.
- Automatic pinpointing function Analyzes characteristic waveforms of fault signals to output possible fault locations automatically. Only available for low-voltage pulse mode.
- Full-screen display function When amplifying waveforms, the full waveform is displayed synchronously to facilitate fault pinpointing.

Technical specifications

Parameter	Value
Operating Modes	Low-voltage Pulse, Pulse Current, Multiple Pulse
Signal Gain Adjustment Range	70 dB
Low-voltage Pulse Output Voltage	30 V
Measurement Error	$\pm (0.5\% \times L + 1\text{m})$, $L \geq 20\text{m}$
Low-voltage Pulse Width	40 ns ~ 20.5 μs
Maximum Resolution	0.1 m
Max. Sampling Frequency	400 MHz real-time sampling
Maximum Ranging Range	100 km
Wave Velocity Setting Range	100 m/ μs ~ 300 m/ μs
Ranging Blind Zone	2 m
Waveform Storage Capacity	100 waveforms
Communication Interface	USB, Bluetooth (Optional)
Power Supply	Lithium battery pack, rated 7.4 V / 6000 mAh
Battery Life	Over 10 hours of continuous use (will shorten gradually with battery aging)
Charger Parameters	Input: AC 220V, 50Hz; Charging Current: 2A; Charging Time: 6 hours
Dimensions	274 × 218 × 81 mm
Weight (Main Unit)	2.6 kg

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.