

HF-CH-210

Transmission Line Parameter Tester



This portable Transmission Line Parameter Tester accurately measures resistance, inductance, capacitance and earth-related parameters of overhead transmission lines. It works stably under complex field conditions, supplying reliable data for power system layout, fault analysis and grid operation optimization.

Technical specifications

Parameter	Value
Input Power Supply	Three-phase AC 380V±10%, 50Hz
Max. Output Voltage	AC 200V, Accuracy: 1%
Max. Output Current	5A
Output Signal Frequencies	42.5Hz/57.5Hz; 45Hz/55Hz; 47.5Hz/52.5Hz; 50Hz/50Hz
Measuring Range	Capacitance items: Positive-sequence Capacitance, Zero-sequence Capacitance, Coupling Capacitance: 0.1 ~ 50uF Impedance items: Positive-sequence Impedance, Zero-sequence Impedance, Mutual Inductive Reactance: 0.5 ~ 400ohm Impedance Angle: 0 ~ 360°
Measurement Resolution	Capacitance: 0.01uF Impedance: 0.01ohm Impedance Angle: 0.01°
Measurement Accuracy	Capacitance: 0.1uF ~ 1uF: ±3% ±0.05uF 1uF ~ 50uF: ±1.5% ±0.03uF Impedance: 0.5ohm ~ 1ohm: ±3% ±0.05ohm 1ohm ~ 400ohm: ±3% ±0.03ohm Impedance Angle: ±0.2° (Voltage>1.0V) ±0.3° (Voltage: 0.2~1.0V)
Overall Dimension & Weight	535 mm×435 mm×360 mm (excluding casters); Weight: 61kg
Anti-interference Parameters	Interference Voltage: Longitudinal induced voltage < 350V after connecting instrument test power supply Interference Current: < 40A when both ends of the line are short-circuited and earthed Stable and accurate measurement can be completed when the ratio of instrument output signal to interference signal is 1:10
Operating Environment	Ambient Temperature: -15°C ~ +40°C; Relative Humidity: < 90%

Standard scope of supply

No.	Item	Qty	Notes
1	Main Unit of Transmission Line Parameter Tester	1 Set	With movable casters
2	Test Connecting Cables (High Voltage Test Wires, Grounding Cables)	1 Set	Complete wiring harness for onsite measurement
3	Aluminum Alloy Shockproof Carrying Case	1 Pc	For storing accessories
4	Operation Manual (English + Chinese Version)	1 Copy	Detailed operation & maintenance guide
5	Factory Calibration Certificate	1 Copy	Official calibration report for metering verification
6	Spare Fuses & Consumable Parts	1 Set	Replacement accessories for daily use
7	Power Input Cord	1 Pc	Three-phase 380V power supply cable
8	Inspection Delivery List & Warranty Card	1 Set	After-sales service voucher

Compliance and documents

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

Optional accessories	[TO BE CONFIRMED]
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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.