

HF-RT-210**Three-clamp Phase Angle Tester**

This portable three-clamp phase angle tester enables live measurement on three-phase power circuits. It precisely detects phase angle, phase sequence, voltage and current, widely adopted for substation wiring inspection and secondary loop commissioning.

Key features

- Simultaneously test three-phase AC voltage, current, phase angle and phase sequence;
- Calculate active/reactive power, apparent power and power factor automatically;
- Check CT polarity, draw three-phase vector diagrams to verify secondary circuit wiring;
- Support live-line measurement via three clamp CTs without power outage;
- Large LCD screen displays all measured data clearly with data hold function.

Technical specifications

Parameter	Value
1	Three-clamp Phase Angle Tester Host 3-phase phase angle, voltage & current testing 1 Set Main unit
2	Current Clamp Sensor 3 pcs (I1 / I2 / I3), matched polarity 3 Pc Original supporting clamps
3	Voltage Test Lead Set Yellow / Green / Red / Black, 4pcs 1 Set High-insulation probe wire
4	User Manual English Version 1 Pc Operation instructions included
5	Calibration Certificate Factory test qualified report 1 Pc Standard factory document
6	Portable Carrying Case Shockproof & dustproof 1 Pc For storage & transportation
7	Gift Battery DC 9V 1 Pc Spare part

Standard scope of supply

No.	Item	Qty	Notes
Ambient Temperature	23°C±1°C	Ambient Temperature	/
Ambient Humidity	40% ~ 60% RH	Ambient Humidity	/
Signal Waveform	Sine Wave	Signal Waveform	β=0.01
Signal Frequency	50Hz±1Hz	Signal Frequency	/
Instrument Operating Voltage	3.7V±0.1V	Instrument Operating Voltage	/

No.	Item	Qty	Notes
Current Amplitude for Phase & Sequence Measurement	1A±0.1A	Current Amplitude for Phase & Sequence Measurement	/
Voltage Amplitude for Phase & Sequence Measurement	100V±10V	Voltage Amplitude for Phase & Sequence Measurement	/
Current Amplitude for Power & Power Factor Test	1A±0.1A	Current Amplitude for Power & Power Factor Test	/
Voltage Amplitude for Power & Power Factor Test	100V±10V	Voltage Amplitude for Power & Power Factor Test	/
External Electric & Magnetic Fields	-	External Electric & Magnetic Fields	-
Position of Measured Conductor	-	Position of Measured Conductor	-

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.