

HF-RT-209

Two-clamp Phase Angle Tester



This two-clamp phase angle tester is designed for three-phase power commissioning. It accurately tests phase angle, phase sequence, voltage and current without disconnecting wires, widely used in substation wiring check and power circuit troubleshooting.

Technical specifications

Parameter	Value
Rated Operating Conditions	Ambient Temperature (0 ~ 40) °C
Ambient Humidity	(20 ~ 80) % RH
Measured Signal Waveform	Sine wave, $\beta=0.05$
Measured Signal Frequency	(50±0.5) Hz
Position of measured conductor inside clamp jaw	Arbitrary
Amplitude Range of Measured Signals for Phase Test	Phase measurement between U1-U2 30V ~ 500V
Phase measurement between I1-I2	10mA ~ 10.00A
Phase measurement for U1-I2 / I1-U2	10V ~ 500V, 10mA ~ 10.00A
External power frequency electromagnetic interference	To be avoided
Rated Operating Error Limit	Under specified rated working conditions, the operating error limit for each measurement shall not exceed twice the corresponding basic error limit.
Withstand Voltage	The device can withstand 1000V/50Hz sinusoidal AC voltage for 1 minute between voltage input terminals & casing, and between clamp CT iron core/clamp jaw & internal windings; 500V/50Hz sinusoidal AC voltage for 1 minute between two voltage input terminals.
Insulation Resistance	≥ 10 Mohm between internal circuits and casing, and between two voltage input terminals.

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.