

HF-MT-506

Single Phase Energy Meter Tester



Single Phase Energy Meter Tester is a portable on-site calibration instrument. It verifies measurement accuracy, detects metering errors and inspects operating status for single-phase energy meters, widely deployed for power-grid field metering commissioning and maintenance.

Technical specifications

Parameter	Value
Operating Power Supply	AC 100-270V
Voltage Measurement	Class 0.2 (110V-270V)
Current Measurement	Wide-range current clamp: 100A, Class 0.2
Energy Measurement	Wide-range current clamp:100A, Class 0.3/0.5
Power Factor	0.01 (0.4000-1.0000)
Configurable Virtual Load	5A / 2A (Optional)
Harmonic Test	1 ~ 32 orders
CT Ratio Test	CT ratio test via current clamp
Meter Function	Energy-meter constant calibration test available
Data Storage	Store data for minimum 2000 meters
Data Management	Data management via data cable (Optional)
Instrument Constant	800
Weight	0.5 kg
Dimensions	205 mm × 100 mm × 35 mm

Standard scope of supply

No.	Item	Qty	Notes
Main Tester Unit	1 pc	1 pc	HG-3D handheld single-phase on-site energy meter tester
Wide-range Current Clamp (100A)	1 pc	1 pc	For current & energy measurement
Test Voltage Cables	1 set	1 set	For voltage signal connection
Data Communication Cable	1 pc	1 pc	Optional, for PC data management

No.	Item	Qty	Notes
User Opera tion M anual	1 copy	1 copy	English & Chinese version
Calibr ation Certifi cate	1 copy	1 copy	Factory calibration document
Portab le Carr ying Case	1 pc	1 pc	For field transport & storage

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.