

HF-GT-207

Frequency Selective Voltmeter



This Frequency Selective Voltmeter can accurately extract and measure voltage signals at specified frequencies while effectively filtering out unwanted interference signals. It is widely used for harmonic detection, carrier signal testing and electrical parameter measurement in power systems.

Key features

- Equipped with frequency-selective voltage measurement function for surface potential gradient testing.
- Built-in human body analog resistor for step voltage and touch voltage measurement.
- External current clamp or Rogowski coil can be connected to realize frequency-selective current measurement.
- User-friendly operation with abundant data functions.

Technical specifications

Parameter	Value
Measuring Range	0 ~ 600 V
Accuracy	±(1% of reading + 0.1 mV)
Max Resolution	0.001 mV
Input Impedance	> 500 kohm
Built-in Human Body Analog Resistance	1500 ohm ±5%
Overall Dimension	330×285×135 mm (L×W×H)
Weight	3 kg (excluding cable case)
Selectable Measuring Frequencies	45/47.5/50/52.5/55/57.5/60/62.5/65 Hz
Interference Tracking Range	±0.75 Hz
Interference Rejection Ratio	>= 80 dB
Continuous Battery Working Time	Approx. 8 hours
Charging Power Supply	220V±10%, 50Hz / 60Hz
Charging Duration	Approx. 5 hours
Wireless Transmission Distance	>= 500 m

Standard scope of supply

No.	Item	Qty	Notes
1	AI-7301 Frequency Selective Voltmeter Main Unit	1 Set	Built-in rechargeable battery
2	Measuring Test Leads & Connecting Cables	1 Set	For potential gradient, step & touch voltage test
3	Current Clamp / Rogowski Coil	1 Piece	Optional for frequency-selective current measurement
4	AC Power Charger	1 Pcs	220V input for battery charging
5	USB Data Transmission Cable	1 Pcs	Upload stored data to computer
6	Thermal Printing Paper Rolls	2 Rolls	For built-in miniature printer
7	Shockproof Portable Carrying Case	1 Pcs	Storage and field carrying
8	English User Operation Manual	1 Copy	Complete operation & parameter guidance

No.	Item	Qty	Notes
9	Factory Calibration Certificate	1 Copy	Metrological calibration report
10	CD with Upper Computer Analysis Software	1 Piece	Data processing, storage & report printing

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.