

HF-MT-508

Insulation Resistance Tester Calibrator



Insulation Resistance Tester Calibrator is a high-precision standard resistance source. It provides accurate reference resistance outputs to verify and calibrate various insulation resistance testers, suitable for metrology labs, power-sector instrument inspection and periodic calibration work.

Technical specifications

Parameter	Value
Accuracy Class	2 2 1 0.5 0.2
Nominal Voltage (V)	2500 2500 2500 1500 800
Accuracy Class	0.2 0.2 0.2 0.2
Nominal Current (mA)	1 5 10 10
Adjustment Range	100ohm ~ 20 Gohm; adjustment resolution: 100ohm
Reference Temperature	17 °C ~ 23 °C
Nominal Operating Temperature	15 °C ~ 25 °C
Reference Relative Humidity	30% ~ 60%
Nominal Operating Relative Humidity	25% ~ 75%
Insulation Resistance	≥1 Gohm (between internal circuit and isolated external metal parts, under nominal voltage)
Dielectric Strength	Withstand 3.75 kV AC (45-65 Hz) for 1 min, no breakdown or flash-over (internal circuit to reference grounding terminal)
Residual Resistance at Output Terminal	Residual resistance <1 ohm, resistance variation <0.1 ohm
Overall Dimensions	442 mm × 270 mm × 145 mm
Weight	5 kg

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.