

Insulation Resistance Tester

General information about AD-I400 Insulation Resistance Tester

This device can test insulation resistance (such as transformer, switchgear, lead, motor) of different modules in one system, to insulate and repair failure components. It is important to ensure products quality and security of person and equipments during operation by insulation test of checking test object to ground or adjacent conductors insulation.

Before power on the system, using insulation test to verify if it is good to improve system performance. Insulation test is to find manufacturing process problems and equipment fault which can not be found before failure happened. In EU, this test is compulsory, even to civil system.

Features:

- Multi-channel test voltage, measurement insulation resistance up to $2T\Omega$.
- 3 1/2 LCD digital show for insulation resistance value.
- Auto switch range, easy to read.
- Environment temperature measurement.
- Auto-timing function, buzzer sound in every 15s.
- R15S, R60S, R600S, absorptance, Polarization values auto measuring, calculating and saving.
- Output short-circuit current more than 5mA, meet requirements of capacitive load fast charging.
- Strong anti-interference ability, stable and reliable reading.
- Complete protection function, ensure operation security.
- Rechargeable Li-battery. Auto power off if low battery.



Technical specification of the device:

main specification:

Rated voltage(V)	500	1000	2500	5000
Working voltage (V)	Rated voltage× (1±10%)			
Measurement range	0 ~ 100GΩ	0 ~ 200GΩ	0.001 ~ 500GΩ	0.001 ~ 1000GΩ
	Max.error:±10%RDG+1d (max.measurement value 1999)			
Output short-circuit current	≥1.5mA	≥1.5mA	≥5mA	≥5mA
Absorptance, Polarization values	Measurement range: 0.1 ~ 19.99 ; Max.error:±2%RDG+1d			

Other specifications:

- ✓ Power consumption: ≤10W
- ✓ Temperature and humidity: 0°C~40°C; ≤ 85 % RH
- ✓ Withstand voltage: AC2.5kV 50HZ 1min
- ✓ Power supply: 14.8V (2.2Ah) rechargeable Li-battery
- ✓ Rechargeable power supply: AC220V 50 HZ (±10 %)
- ✓ Size:270mm(L)*210mm(W)*100mm(D)
- ✓ Weight:about 2kg

