

AIR53 - 5kV Insulation Tester

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Description

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AIR5310 is a 5kV digital insulation resistance tester with large screen LCD grey and white backlight display. It has the features of data storage, data checking, alarm, automatic discharge, charging, automatic shutdown make it reliable to be used by operators in various of fields.

In additional AIR5310 is friendly to operate, light to carry, accurate, stable performance, large output power, strong anti-interference and robust could adapt to the harsh working environment, telecommunications, electric power, meteorology, machine room, oil field, mechanical and electrical installation and maintenance as an essential equipment.

AIR5310 applied for measuring the insulation resistance of various insulating materials, transformers, motors, cables and other insulation parts of electrical apparatus.

Features

- Large-screen LCD grey and white backlight.
- Data storage, data checking, alarm, automatic discharge, charging, and automatic shutdown after 15 minutes not using.
- Shockproof, dustproof, moisture-proof, anti-interference capability.
- USB interface to communicate with computer.
- AC and DC Voltage measurement capability.

- Light weight and friendly operation.

Specification

Test mode:	Insulation resistance test, Absorption ratio, Polarization index testing.
Test voltage:	100V,250V,500V,1000V,2500V,5000V.
Insulation resistance range:	0.01M??10T? ; ±3%rdg±5dgt.
DC Voltage Range:	0.1?1000V ; ±1.5%rdg±3dgt.
AC Voltage Range:	0.1?750V ; ±1.5%rdg±3dgt.
DC Current Measurement:	0.01nA?6mA ; ±5.0%rdg±5dgt.
Capacitance measurement:	10nF?50uF ; ±10%rdg±5dg.
Short circuit current:	3mA.
Display	
Backlight:	Controllable gray screen backlight.
Display mode:	4-bit large LCD display, back gray screen.
LCD Display Size:	108mm×65mm.
Communication	
Interface:	USB interface, software monitoring.
Internal Memory:	500 groups. "FULL" symbol indicates storage is full.
Power Consumption	
Standby:	30 mA Max(backlight off).
Power on backlight:	42mA Max.
Measurement:	200mA Max(backlight off).
Power supply:	12V, Li-ion rechargeable batteries.
Automatic shutdown:	Turn off after no operation for about 15minutes.
Insulation resistance:	?50M?(Measure between line and casing).
Voltage withstand:	AC3kV/50Hz 1min.
Temperature and humidity:	-10? ?+50??85%RH.
Dimension:	245mm ×186mm ×87mm.
Weight:	4kgs