



Milliohmmeter — Bonding tester for hangar and laboratory

- ⇒ MANUAL or AUTO RANGE
- ⇒ FROM 1 $\mu\Omega$ to 6 Ω
- ⇒ 0.1 A, 1 A and 10 A
- ⇒ 4 WIRES MEASUREMENT
- ⇒ 2000 MEASURE MEMORY
- ⇒ COMPACT AND VERY LIGHT (<2.8 Kg)
- ⇒ 1500 10A MEASURES WITH A BATTERY PACK

AX 6000: The right solution for bonding resistance measurement according to all current aircraft specifications on plane, helicopter, rocket, army vehicles for both production and maintenance.

AX 6000 is a very easy-to-use and versatile instrument, for applications that require up to 10 A measurement current.

AX 6000 ergonomics allow the user to use it either placed on the ground or across one's shoulder or chest.

A wide back-lit LCD display combined with an intuitive keyboard ensures simple and easy operation.



AX 6000

Main Features

- ▶ 3 measurement ranges: 0.1 A - 1 A and 10 A
- ▶ Resistance measurement range: 6 m Ω to 6 Ω
- ▶ Auto mode with 32 programmable test sequences or 128 programs
- ▶ Connection USB port for:
 - Parameters setting
 - Save / restitution parameters
 - Instrument cloning
 - Software updating
 - Results downloading
- ▶ 4 Measurement connector (2 on front and 2 on rear)
- ▶ IP 54 protection
- ▶ Measurement threshold adjustable
- ▶ Visual (red/green leds) and audible signal for results
- ▶ Battery : Easy removable battery pack
3 hours charging time with the external adaptor
8 hours autonomy



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AX 6000

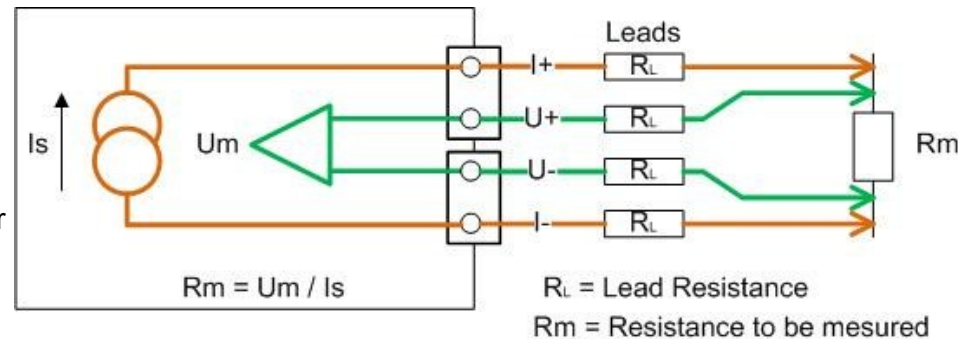
Principle of Measurement

In order to make low resistance measurement with high precision, the **AX 6000** uses the 4-wire Kelvin method.

2 wires are used to connect a constant current source to the resistance to be measured

2 additional wires are used to measure the difference of potential directly to the terminals of the device under test.

-With this method, the resistance of the measuring leads does not introduce any error.



Measurement Range

Manual Mode

CURRENT	RANGE	RESOLUTION
1 A – 10 A	6 mΩ	1 μΩ
0,1 A – 1 A – 10 A	60 mΩ	10 μΩ
0,1 A – 1 A – 10 A	600 mΩ	100 μΩ
0,1 A – 1 A	6 Ω	1 mΩ

Automatic Mode

SCALE	TEST CURRENT
1 μΩ – 600 mΩ	10 A
10 μΩ – 6 Ω	1A / 0,1A

Technical Characteristics

- ▶ **Presentation**
Weight: : 2.8 kg
Dimensions in mm : H 240 x D 120 x W 210
- ▶ **International Standards**
Compliant with:
CE: 61010-1
CEM: 61326-1 and 55011
- ▶ **Temperature**
Operating : 0°C to + 50°C
Storage : -20°C to + 60°C
Relative humidity < 30% none condensing
- ▶ **Use**
Portable instrument which can be used on the ground or across one's shoulder or chest

Calibration resistor

For AX 6000

The heavy-duty calibration resistors are necessary for checking and calibrating AX 6000 test.

The resistors are installed in dissipator enclosures. Connection type: 4-wire configuration. Two connections are available for the power supply and two for the voltage-drop test.

It is possible to connect both 4mm safety plugs and high-current contacts.

All resistors are delivered with calibration certificates.



Reference	Description
E2-0231-A	Calibration resistor 1 mOhm / 10 A
E2-0232-A	Calibration resistor 10 mOhm / 10 A
E2-0233-A	Calibration resistor 100 mOhm / 10 A
E2-0234-A	Calibration resistor 10 Ohm / 10 A