

# PORTABLE MILLIOHMETER AX 6000

## FOR ALL AIRCRAFTS

- MANUAL OR AUTO RANGE
- FROM 1  $\mu\Omega$  TO 6  $\Omega$
- 4 WIRE MEASUREMENT
- MEMORY OF 2000 READINGS
- COMPACT AND LIGHT WEIGHT (< 2 Kg)



### Technical characteristics

<b>Presentation</b>	240x120x210 mm (9.4 x 4.7 x 8.3 inch) - < 2kg (6lbs)
<b>International Standards</b>	Complies with: CE: 61010-1 ; CEM: 61326-1 and 55011
<b>Temperature</b>	Operating: 0° to +50°C (25° to 122°F) Storage: -20° to +60°C (-4° to 140°F) Relative humidity < 90% none condensing
<b>Use</b>	Portable instrument which can be used on the ground or across one's shoulder or chest.

### Accessories

- Transport case
- Bag for AX6000
- Kelvin tips
- Additional battery
- Additional battery charger
- Extension cable
- See accessories for full detailed list

### Measurement range

Manual Mode		Automatic mode	
Range	Current	Range	Current
6 m $\Omega$ (2 m $\Omega$ )	1A - 10A (3A)	1 $\mu\Omega$ - 600 m $\Omega$	10A
60 m $\Omega$ (20 m $\Omega$ )	0,1A - 1A - 10A (3A)	10 $\mu\Omega$ - 6 $\Omega$	1A / 0,1A
600 m $\Omega$ (200 m $\Omega$ )	0,1A - 1A - 10A (3A)		
6 $\Omega$	0,1A - 1A		

Range	Measurement current	Accuracy	Resolution
6 m $\Omega$	1A	$\pm$ (0,1% MV + 6 $\mu\Omega$ )	10 $\mu\Omega$
	10A		1 $\mu\Omega$
60 m $\Omega$	0,1A	$\pm$ (0,1% MV + 60 $\mu\Omega$ )	100 $\mu\Omega$
	1A - 10A		10 $\mu\Omega$
600 m $\Omega$	0,1A - 1A - 10A	$\pm$ (0,1% MV + 0,6 m $\Omega$ )	100 $\mu\Omega$
6 $\Omega$	0,1A - 1A	$\pm$ (0,1% MV + 6 m $\Omega$ )	1 m $\Omega$

MV = Measured Value  
The 3A option is in replacement of the 10A current.

Range	Measurement current	Accuracy	Resolution
2 m $\Omega$	3A	$\pm$ (0,1% MV + 6 $\mu\Omega$ )	10 $\mu\Omega$
20 m $\Omega$		$\pm$ (0,1% MV + 60 $\mu\Omega$ )	10 $\mu\Omega$
200 m $\Omega$		$\pm$ (0,1% MV + 0,6 m $\Omega$ )	100 $\mu\Omega$

**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. It is a very easy-to-use and versatile instrument, for applications requiring up to 10 A current measurements.

Its 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 Accessories

## Plastic safety case

The AX plastic yellowcase can carry all what the operator needs to work with:

- AX 6000 with its bag
- Battery pack
- Probes
- Clips
- Manual

The yellow case is weatherproof and shock resistant  
430x530x230 mm (16.9 x 20.9 x 9.1 inch)  
MB-0151: Yellow case



## Front-Bag

The AX front bag frees your hands, making it so easy to take measurements. The large LCD screen is at the right distance to be read easily.



MB-0147: Front-bag

## Kelvin Clips



EG-0271: Extra small kelvin clip



EG-0269: small kelvin clip kit



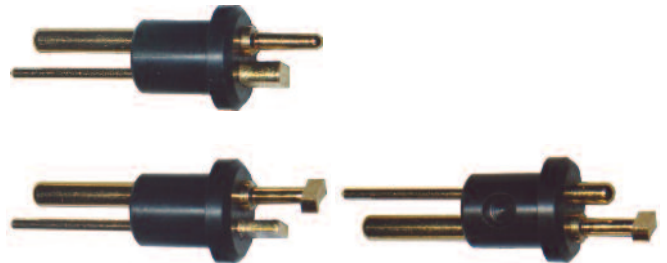
EG-0264: Medium kelvin clip kit



EG-0270: Big kelvin clip kit

## Kelvin Probes

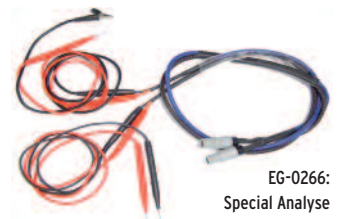
All probes are fitted with a fixed pin and a moving pin. The moving pin establish the current and the fixed one reads voltage. Measurement is automatic when fixed pin touches the part to be measured. A 2 meter cable (6 ft) with the connector and a rubber pin protection to the AX 6000.



EG-0459 (50 x 13)  
EG-0460 (100 x13)  
EG-0468 (150 x 13)  
MZ-0257 (head probe x 13)

## Special Kelvin Lead

This kelvin probe set is used for very precise measurements; 3 electrodes tips and one alligator clip are connected to the AX 6000 through a double cable fitted with connectors.



EG-0266:  
Special Analyse  
Kelvin Probe Set

Banana plugs permit the connection of many different measurement tools.

## Cable and Reels



EG-0257:  
5m cable (15 ft)



EG-0363:  
25m cable (60 ft)  
on cable reel



EG-0261: 50m cable (150 ft)  
EG-0259: 90m cable (270 ft)  
on cable reel

## Power

TZ-0098:  
Battery pack



E5-0014:  
AC/DC Adaptor



## Spare parts

EC-0316:  
Staight-in plug



E5-0082:  
Medium kelvin clip

