



— **AX 6000**  
— **Bonding Tester Milliohmmeter**  
Starter Accessories kit



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



**AX 6000** portable Miliohmmeter, 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.

#### GENERAL DETAILS

|                            |   |
|----------------------------|---|
| <b>Presentation</b>        | 240x120x210 mm (9.4 x 4.7 x 8.3 inch)<br>- < 2kg (6lbs)   |
| <b>Internat. standards</b> | Complies with: CE: 610101 ;<br>CEM: 613261 and 55011  |
| <b>Temperature</b>         | Operating: 0° to +50°C (25° to 122°F)<br>Storage: -20° to +60°C (-4° to 140°F)<br>Relative humidity < 90% none condensing |
| <b>Use</b>                 | Portable instrument which can be used on the ground or across one's shoulder or chest                                     |

#### MEASUREMENT SPECIFICATIONS IN STANDARD CONDITIONS

| MANUAL MODE | Range           | Current              |
|-------------|-----------------|----------------------|
|             | 6 mΩ (2 mΩ)     | 1A - 10A (3A)        |
|             | 60 mΩ (20 mΩ)   | 0,1A - 1A - 10A (3A) |
|             | 600 mΩ (200 mΩ) | 0,1A - 1A - 10A (3A) |
|             | 6 Ω             | 0,1A - 1A            |
| AUTO. MODE  | Range           | Current              |
|             | 1 μΩ - 600 mΩ   | 10A                  |
|             | 10 μΩ - 6 Ω     | 1A / 0,1A            |

| Range  | Meas. current    | Accuracy             | Resolution      |
|--------|------------------|----------------------|-----------------|
| 6 mΩ   | 1A<br>10A        | ± (0,1% MV + 6 μΩ)   | 1 μΩ<br>1 μΩ    |
| 60 mΩ  | 0,1A<br>1A - 10A | ± (0,1% MV + 60 μΩ)  | 100 μΩ<br>10 μΩ |
| 600 mΩ | 0,1A - 1A - 10A  | ± (0,1% MV + 0,6 mΩ) | 100 μΩ          |
| 6 Ω    | 0,1A - 1A        | ± (0,1% MV + 6 mΩ)   | 1 mΩ            |

MV = Measured Value

| Range  | Meas. current | Accuracy             | Resolution |
|--------|---------------|----------------------|------------|
| 2 mΩ   | 3A            | ± (0,1% MV + 6 μΩ)   | 10 μΩ      |
| 20 mΩ  |               | ± (0,1% MV + 60 μΩ)  | 10 μΩ      |
| 200 mΩ |               | ± (0,1% MV + 0,6 mΩ) | 100 μΩ     |

| Range current | Accuracy     |
|---------------|--------------|
| 100A          | +/- 2% range |
| 1A            | +/- 1% range |
| 10A           | +/- 1% range |

The 3A option is in replacement of the 10A current.

#### ACCESSORIES INCLUDED INTO THE KIT

**One AX6000 Miliohmmeter - Ref. EZ-0078**

**One Plastic safety case - Yellow case - Ref. MB-0151**

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. Size: 430x530x230 mm (16.9 x 20.9 x 9.1 in).

**One Front-Bag - Ref. MB-0147**

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

**One Medium Kelvin Clip - Ref. EG-0264**

The Medium kelvin clip kit come with one 2m cable (6 ft.) with the connector and a rubber pin protection to the AX 6000.

#### Kelvin Probes

All probes are fitted with a fixed pin and a moving pin. The moving pin establishes the current and the fixed one reads voltage. Measurement is automatic when fixed pin touches the part to be measured.

The kit included :

- One 50mm long and 13mm diameter probe (50x13 mm/1.9x0.5 in) - Ref. EG-0459

#### Power

One Battery pack - Ref. TZ-0098

One battery charger - AC/DC Adaptor - Ref. E5-0014



Yellow case - Ref. MB-0151



AX bag - Ref. MB-0147



Kelvin probes - Ref. EG-0459



AX battery - Ref. TZ-0098



Kelvin clips - Ref. EG-0264



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