

**Robust, leakproof micro-ohmmeter
suitable for on-site, workshop or laboratory use**

10 A Micro-ohmmeter

PRODUCT ADVANTAGES:

- ▮ **Wide measurement range and excellent accuracy due to:**
 - the 4-wire measurement method
 - current reversal
 - test current up to 10 A
- ▮ **Very easy to use**
- ▮ **Automatic measurement mode**
- ▮ **Automatic "on the fly" or manual recording mode**
- ▮ **Possibility of measurements on inductive components**
- ▮ **Measurement prohibited in the presence of a disturbance voltage**
- ▮ **Protection against accidental overloads up to 500 V**
- ▮ **Large backlit LCD display**



APPLICATIONS:

The C.A. 6240 allows quick detection of any deterioration between 2 contact points. This means it can be used for a very broad range of applications:

- Contact resistance of switches and circuit breakers
- Earth continuity
- Quality of weld spots
- Surface condition and metallizing
- Graphite electrode...

The C.A. 6240 micro-ohmmeter provides reliable, accurate measurements due to its test current of up to 10 A. This accuracy is ensured through:

- use of the 4-wire method which eliminates the effects of the leads' resistances and the contact resistances.
- the possibility of reversing the polarity of the measurement current, thus eliminating the effects of possible interference voltages.

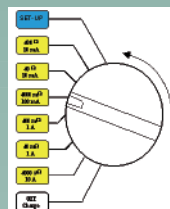
MEMORIZATION

The possibility of memorizing the results and transferring data by means of the processing software allows users to monitor the changes in the measurements over time, making the C.A. 6240 an essential tool for preventive maintenance.

MEASUREMENT MODE

The C.A. 6240 is suitable for all types of measurements (inductive components, resistances). It is particularly ergonomic due to its automatic operating capabilities:

- Automatic measurement mode: the measurement is triggered as soon as continuity is established between the 2 measurement points => consecutive tests are possible without pressing a key.
- Automatic recording mode: this mode allows users to store each measurement result in the memory without having to press a key.



WIDE MEASUREMENT RANGE

The C.A. 6240 possesses 7 measurement calibres accessible automatically by means of a rotary switch. Each calibre corresponds to a current from 10 A (4,000 $\mu\Omega$) to 0.01 A (400 Ω) selected automatically.

LARGE BACKLIT LCD SCREEN

The C.A. 6240 possesses 7 measurement calibres accessible automatically by means of a rotary switch. Each calibre corresponds to a current from 10 A (4,000 $\mu\Omega$) to 0.01 A (400 Ω) selected automatically.



ELECTRICAL SPECIFICATIONS

Measurement range	5 to 3,999 $\mu\Omega$	4 to 39.99 m Ω	40 to 399.9 m Ω	400 to 3,999 m Ω	4 to 39.99 Ω	40 to 399.9 Ω
Resolution	1 $\mu\Omega$	10 $\mu\Omega$	100 $\mu\Omega$	1 m Ω	10 m Ω	100 m Ω
Accuracy	$\pm 0.25\% \pm 2$ counts					
Measurement current	10 A	1 A	100 mA	10 mA	1 mA	0.1 mA
No-load voltage	4 to 6 V					

GENERAL SPECIFICATIONS

- **Connection:** 4 screw terminals 4mm in diameter
- **Automatic power-off**
- **Power supply:** NiMH rechargeable battery
- **Dimensions:** 273 x 247 x 280 mm
- **Leakproofing:** IP53
- **Data:** optical / USB link
- **Electrical safety:** IEC 61010-1 / CAT III 50V
- **Weight:** 5kg

TO ORDER:

- **C.A. 6240** **P01.1432.00**

Delivered with a carrying bag containing the following accessories:

- 1 EURO power lead 2m long
- 1 set of 2 x 10 A Kelvin clamps with a 3m cable
- 1 optical / USB communication cable
- 1 "Microhmview" software
- 1 simplified operating manual in 5 languages
- 1 operating manual in 5 languages

ACCESSORIES

- **Set of 2 double test probes** **P01.1020.56**
- **Set of 2 Kelvin mini-clamps** **P01.1017.83**
- **C.A. 846 thermohygrometer** **P01.1563.01Z**
- **GB mains power lead 2m long** **P01.2952.53**
- **Optical / RS communication cable** **P01.2952.52**



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