



**CHAUVIN<sup>®</sup>  
ARNOUX**

CHAUVIN ARNOUX GROUP

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# C.A 6250

**Check the quality of your electrical joints  
thanks to low resistance measurements!**

## 10 A Microhmmeter

### MANY MEASUREMENTS

- ▶ Continuity of grounds
- ▶ Surface and metallization condition
- ▶ Quality of contacts (switches, relays)
- ▶ Resistance of cables and windings
- ▶ Heating of motors and transformers

### CHECK FOR GOOD MECHANICAL BONDS

- Broad measurement range: from 1  $\mu\Omega$  to 2,500  $\Omega$
- Accuracy guaranteed:
  - ▶ 4-wire measurement method
  - ▶ automatic compensation of spurious voltages
- 3 measurement modes
- "Temperature compensation" function for a comparative result
- Giant back-lit LCD display

**C.A 6250**  
MICROHMMETER

## MEASUREMENTS 3 measurement modes possible depending on the application



### INDUCTIVE MODE

for measurements on inductive components (transformers, motors, etc.)



### NON-INDUCTIVE MODE

for measurements on resistances, with a time constant of a few ms (contacts, metallization, etc.)

### AUTO NON-INDUCTIVE MODE

#### WITH AUTOMATIC TRIGGERING

for measurements on resistances with no time constant

## Measurements in the field, in the workshop, or in the laboratory...

### FUNCTIONS

#### Temperature compensation



The value of a resistance varies with temperature.

For reliable tracking, measurements can only be compared when made under the same conditions, this means it is judicious to refer measurements to the same reference temperature in all cases. The instrument performs this calculation automatically: you simply press a key.

(Pt100 probe connector on the front panel)



#### Programmable alarms



Because an audible signal is sometimes all you need to interpret and evaluate a measurement, a high and/or low alarm threshold can be activated. When it is crossed, an audible warning is triggered (its volume can be adjusted).

#### Extended memory



The C.A 6250 has internal memory to store 1,500 measurements.

Recording is done using two indices, OBJ (object) and TEST (test), so as to store the results in an ordered manner.

### FEATURES



#### Large back-lit LCD display

#### Result easy to read

Many symbols and indications (for a better understanding of the measurement and instrument operation.)



#### Broad measurement span,

with 7 ranges that can be manually selected on the rotary switch

Range	Resolution	Accuracy over 1 year	Measurement current
5.0000 mΩ	0,1 μΩ	0,05 % + 1,0 μΩ	10 A
25.000 mΩ	1 mΩ	0,05 % + 3 μΩ	10 A
250.00 mΩ	10 mΩ	0,05 % + 30 μΩ	10 A
2500.0 mΩ	0,1 mΩ	0,05 % + 0,3 mΩ	1 A
25.000 Ω	1 mΩ	0,05 % + 3 mΩ	100 mA
250.00 Ω	10 mΩ	0,05 % + 30 mΩ	10 mA
2 500.0 Ω	100 mΩ	0,05 % + 300 mΩ	1 mA

#### Power supply:

rechargeable NiMH battery

#### Electrical safety:

as per standard EN 61010-1 (Ed. 2001)

#### 50 V CAT. III

#### IP 64 :

(housing closed) / 53 (housing open)

#### Dimensions :

270 x 250 x 180 mm

#### Mass : 4 kg

### TO ORDER



#### C.A 6250

P01.1432.01  
10 A Microhmmeter

Delivered with an accessories pouch containing one EURO mains power cord 2 m long and a set of two 2 m Kelvin clamp cables



### ACCESSORIES

- Set of two 2 m cables with double probe tips ..... P01.1017.82
- Set of two 2 m cables with miniature Kelvin clips ..... P01.1017.83
- Pt100 temperature probe ..... P01.1020.13
- Cable 2 m long for remote use of the Pt100 probe ..... P01.1020.14
- Serial printer + connecting cord ..... P01.1029.03
- GB power cord ..... P01.2952.53



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