



Press Release

Type of product: Digital micro-ohmmeter

Name of product: C.A 6292



Press Contact

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For the safest possible measurements, choose the C.A 6292

The brand new C.A 6292 200 A digital micro-ohmmeter from Chauvin Arnoux® is supplied in a rugged, IP54 site-proof casing. It is equipped with the **BSG (Both Sides Grounded) mode** which helps to remove the risks due to inductive phenomena by earthing both sides of the object tested. In this way, the measurements are performed **in total safety** for both people and equipment.

Ergonomics

Its connection terminals are clearly identified to limit the risk of errors and allow quick connection of your measurement leads. The instrument includes a built-in internal cooling system, thus allowing longer test durations even at high current values. The measurement results are displayed instantaneously on the LCD screen, which is backlit for easy reading. The C.A 6292 can be configured directly using the rotary knob on the instrument, or via a PC with its USB link.

Performances

The test current is adjustable from 20 A to 200 A; an automatic mode is also available for 50 A, 100 A, 150 A and 200 A values. The resistance measurement range extends from 0.1 $\mu\Omega$ to 1 Ω . The C.A 6292 offers 0.1 $\mu\Omega$ resolution and approximately 1% measurement accuracy. The four-wire measurement method, based on Kelvin's principle, helps to eliminate errors due to the resistances of the measurement leads and the contact resistances. The DataView® software platform for data processing facilitates configuration of the instrument, recording and processing of the measurement results, data exports, report creation, etc.

Applications

It can be used to cover a wide range of applications such as:

- Contact resistance tests on **MV/HV** cells
- Verification of **contact quality** on circuit-breakers, switches, relays, etc.
- Resistance testing on **busbars, cables**, windings, etc.
- Checking of **continuity on rails**, axles or welds
- Testing of surface condition and **metallization**
- **Cut-off device** tests

It meets the needs of professionals in electricity distribution, metallurgy and the rail sector, as well as the requirements of electrical equipment manufacturers and maintenance/repair firms.



Technical specifications

- Test current: Programmable from approx. 20 A to 200 A
- Resistance: 0.1 $\mu\Omega$ to 2 m Ω / 2 to 200 m Ω / 200 m Ω to 1 Ω
- Accuracy : $\pm 1\%$ from 50 $\mu\Omega$ to 1 Ω
- Measurement method: 4 Kelvin-type connection terminals
- Test mode: Normal or BSG (Both Sides Grounded)
- Test duration: Adjustable from 5 to 120s @200 A / unlimited up to 100 A
- Data storage: Up to 8,000 measurement results
- Interface USB 2.0
- Software DataView®
- Dimensions : 502 x 394 x 190 mm
- Weight: 13 kg approx. (excluding accessories)

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