

11 Unrivalled TRMS Clamps!

1,000 V CAT IV, IP 54, up to **2,000 A_{AC}**, **3,000 A_{DC}** and **1,000 V_{AC/DC}**, clamping diameter up to **60 mm**, **TrueInrush** function, automatic AC/DC detection, **power and harmonics...**

The new **Chauvin Arnoux®** multimeter clamps have arrived!

Safe and rugged

1,000 V CAT IV: an **unprecedented level of safety** for multimeter clamps!

And these new clamps comply with the safety requirements of the IEC 61010 standards as well.

Their **exceptional IP54 protection rating** means that they are protected against water and dust, guaranteeing that safety is maintained over time and thus extending their life span.

The mechanical design of these clamps, also equipped with a shockproof protective band, enables them to resist falls of up to **2 metres** in the **standard fall tests**.

Another safety feature on all the models is the **automatic AC/DC detection** function, available on currents, voltages and power values.



Ergonomics

Their design makes them comfortable to hold and simple to handle, even when wearing safety gloves.

With just one hand, users can connect the clamp, select the measurement and choose the functions. For maximum clarity, each measurement corresponds to one switch position.

Depending on the models, these clamps are equipped with large 6,000 to **10,000-count backlit LCD** screens.

The concept of "**1 key equals one function**" makes them **even simpler to use**.

Various clamping diameters are available **up to 60 mm**, in order to cover the widest possible range of requirements in the best possible conditions.

A particularly comprehensive product range

The product range comprises 3 Series, each containing 3 or 4 models equipped with different specific features for professionals in the electricity market.

The product range is first of all divided up according to the current measurement range:

- F200 for measurements up to 600 AAC and 900 ADC,
- F400 up to 1,000 AAC and 1,500 ADC
- F600 up to 2,000 AAC and 3,000 ADC

The specific models then depend on their uses:

- F201, F401 and F601 for AC applications
- F203, F403 and F603 for AC or DC applications
- F205, F405 and F605 for mixed AC+DC applications, analyses or surveys
- F407 and F607 for mixed AC+DC applications, analyses or surveys, plus recording and harmonic analysis up to the 25th order.

Measurements

The fast **12-bit TRMS digital acquisition** system ensures excellent measurement quality. The large bandwidth and **high crest factor** help to improve the correctness and accuracy of the measurements, whatever the type of signal.

Classic measurements:

- AC, DC and AC+DC voltage up to 1,400 V
- AC, DC and AC+DC current up to 2,000 A_{AC} and 3,000 A_{DC}

- as well as resistance, audible continuity, diode test, frequency and temperature measurements (depending on the model).

Additional measurements:

The F205, F405 and F605 clamps include **phase rotation** measurement.

The F407 and F607 also **measure single-phase and total three-phase power values** (active, reactive and apparent power, PF and DPF) as well as offering **harmonic analysis**, THDf and THDr.

Functions

New from Chauvin Arnoux, the **TrueInrush** function allows you to measure the motor inrush of a single machine or a group of machines while they are running.

CHAUVIN ARNOUX INNOVATION
TrueInRush

The **ΔRel** function is applicable to all the measurements and to all analysis functions (Min, Max, Peak- and Peak+). This allows you to instantly compare the measurement with a reference value.

High-performance functions depending on the model:

- TRMS measurement of the Min and Max values **calculated over 100 ms**
- Peak+ and Peak- over **1 ms** and on each function
- Extended HOLD to store the complete status of the measurements and functions in progress
- Measurement of the **THD** in accordance with IEC 61000-4-7
- Recording of up to **1,000 measurements** from several sessions
- **Bluetooth** communication for data export

Applications

From electricity production to electricity consumption, Chauvin Arnoux's new F Series of clamps covers the whole range of low-voltage applications.

The **F200 Series clamps** are ideal for low and medium-power LV applications such as maintenance of tertiary or industrial electrical installations and groups of machines, power supply diagnostics and/or sizing, commissioning of air-conditioning and heating systems, work on electric vehicles, etc.

The **F400 Series**, for medium-power LV applications, is used in low-voltage electricity production and distribution, industry, railways, etc. It is also suitable for lift/elevator technicians and other lifting and transport-equipment specialists. The main applications of the clamps in this series are maintenance, testing, monitoring, diagnostics and connection.

The **F600 Series** is dedicated to the high-power LV market, including:

- HV/LV electrical power distribution,
- Chemical and petrochemical industries,
- Metallurgy, transport, etc.
- Maintenance, testing, monitoring, diagnostics, sizing, connection, etc.

There are clamps to suit every user in this new range. Delivered in a bag with the Multifix mounting system and the necessary measurement leads, each clamp is supplied ready-to-use.



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