

POWER ANALYZERS C.A 8220 C.A 8230

# Measurement of all powers



- Measurement of very weak and very strong currents
  - Phase shift analysis
    - Measurement of engine start-up current
      - Simultaneous access to all measurement modes
        - Excellent value for money

# C.A 8230

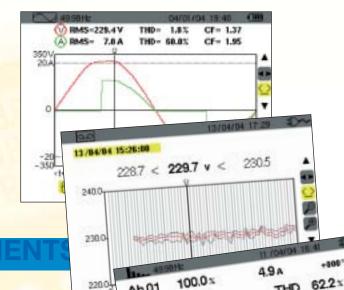
# SINGLE-PHASE POWER AND QUALITY ANALYZER



The C.A 8230 is designed for tradesmen and installers working in the construction industry and maintenance departments. The broad range of measurements it provides also makes it ideal for technical and technological teaching.

Extremely easy to use, it is suitable for testing electrical installations, especially if they are equipped with systems based on power electronics. Suitable for use on the ground, it can also be used on a tabletop, thanks to its retractable support.

User-friendly, it has a large graphic screen and automatically recognises the type of sensor connected.



2200

Ah 01

100

50

max 100.0 %

1/2 MAX-

1-09.1923

V-A

24

178

5 🥟 🕳 🕳

# MAIN MEASUREMENTS

#### ■ Voltage & current:

From measurement of the real effective instant display of AC+DC at the period to peak values and overall harmonics rates, the instrument also provides instant display of the waveform. Measurement of short term Flicker is also available.

## ■ Complete analysis of power and energy:

In single-phase and balanced three-phase, all necessary and useful measurements enable the user to simply obtain a complete analysis of power and energy.

## ■ Harmonics up to order 50:

The C.A 8230 enables the various values to be measured up to order 50 RMS value, fundamental %, mini/maxi in single-phase only. Additional advantage: the expert mode enables direction of harmonics to be determined.

### ■ Recording period up to several days:

All values measured by the instrument can be recorded over a period of up to several days. The Inrush mode allows us to analyse and display at engine start-up signal period.

# ■ Personalised setting of alarms:

Alarms can be entirely set by the user and enable each event to be captured.

# **DATAVIEWER SOFTWARE**

0 & C.A 8220 (ALSO COMPATIBLE WITH THE QUALISTAR AND OTHER CHAUVIN ARNOUX PRODUCTS)

Screenshots

Dataviewer Software, it greatly increases the instrument's potential in terms of its configuration, and recovery and processing of data on a PC.

- Recording: histogram or curve representations. average value of numerous parameters according to time.
- Management & log of measurement campaigns
- Report printing



# **C.A 8220**

# THE ENGINE MAINTENANCE AND POWER ANALYZER

Geared firmly towards electrical engineering and testing of rotating machines, the C.A 8220 is designed for maintenance and testing teams.

Equipped with a liquid crystal segment screen, compact and shockproof, its user interface ergonomics make it easy and pleasant to handle via intuitive use.

Just like the **C.A 8230**, the **C.A 8220** makes it possible to obtain an instant image of the main characteristics of a single-phase or a balanced three-phase network.

In addition, it measures all features necessary for testing rotating machines.

Accurate, thanks to a broad range of sensors, it covers measurements from several milliamps to several kilo



Rotation speed: For predictive maintenance, it is necessary to regularly test rotation speed on rotating machines. The C.A 8220, an all-inone instrument, meets this requirement simply and effectively. ■ Temperature: Nowadays rotating engines and machines are equipped with temperature probes that are easily accessible on a terminal board. By simply connecting the C.A 8220 to this terminal board, it is possible to directly measure the engine's internal temperature.

# PAT SOFTWARE WARE

The C.A 8220 comes with **PAT** (Power Analyzer Transfer) software, designed for processing measurements on a PC (display, analyses, etc). This software is available solely on our Website, where it can be downloaded free of charge.



# **TO ORDER**

C.A 8230 analyzer only	P01.1606.30
C.A 8230 analyzer with MN93A current sensor (5 mA to 120 A)	P01.1606.31
• C.A 8230 analyzer with flexible Ampflex 450 current sensor (6500A)	P01.1606.32
C.A 8220 analyzer only	P01.1606.20
C.A 8220 analyzer with MN93A current sensor (5 mA to 120 A)	P01.1606.21
C.A 8220 analyzer with flexible Ampflex 450 current sensor (6500A)	P01.1606.22

# COMPOSITION

P01.1606.30: 1 C.A 8230 instrument supplied with 1 carrying case, 6 mounted 1.2 V accumulators, 1 red banana lead (straight-straight), 1 black banana lead (straight-straight), 2 x 4-mm test probes (1 red, 1 black), 2 alligator clamps (1 red, 1 black), 1 mains adaptor, 1 RS232/USB optical cable and Dataviewer® software pack

**P01.1606.20:** 1 C.A 8220 instrument supplied with 6 mounted AA batteries, 1 red banana lead (straight-straight), 1 black banana lead (straight-straight), 2 x 4-mm test probes (1 red, 1 black), 2 alligator clamps (1 red, 1 black), 1 RS232/USB optical cable

## **ACCESSORIES:**

4-mm red and black test probes	P01.1018.55
Red and black alligator clamp	P01.1018.48
4-mm red and black banana/banana lead	P01.1018.48
MN93A BK clamp	P01.2950.91
MN93 BK clamp	P01.1204.25
• A 193 Ampflex, 450 mm	P01.1205.26
• A 193 Ampflex, 800 mm	P01.1205.31
PAC93 BK clamp	P01.1200.79
C193 BK clamp	P01.1203.23

#### YOUR DISTRIBUTOR

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