

CA 5292 / CA 5293, ASYC IV

Portable 100,000 cts Graphic Multimeter

We thank you for your confidence in the quality of your products.

Attention: for your safety and to protect your property, please read carefully the safety datasheet enclosed with your instrument.

This multimeter complies with the EN 61010-2-033 CAT IV 600 V – CAT III 1000 V, safety standard on double insulation for electronic measuring instruments. IP 67 as per standard IEC 60529. Then, if the instrument is immersed, it must be dried, in particular the terminal block, before it can be used again.

This instrument has been designed for use indoors:

- in an environment with pollution level 2,
- at an altitude of less than 2000 m,
- at a temperature between 0°C and 40°C,
- with relative humidity < 80 % up to 35°C.

It can be used for measurements on the circuits of:

- Category III installations for voltages up to 1,000 V (AC or DC) relative to earth.
- Category IV installations for voltages up to 600 V (AC or DC) relative to earth.

For safety reasons, only use suitable cords supplied with the instrument: they comply with the EN 61010-031 standard. Before each use, make sure that they are in perfect condition.

When the instrument is connected to the measuring circuits, never touch a terminal which is not in use. Use only suitable accessories delivered with the instrument or approved by the manufacturer.

If the measurement category of the accessory is different from that of the instrument, the lowest category applies to the unit.

	CA 5292	CA 5293
Display	Graphic color (70 x 52)	
Power supply	1 set of AA/R6 batteries or 1 set of 4-Ni-Mh storage batteries	
Counts	100 000	
Communication	IR / USB	

FUSE AND BATTERIES OR RECHARGEABLE BATTERIES

Fuse: 11 A: 10 x 38 – 1000 V
F – breaking capacity: > 18 kA
4 batteries: 1.5 V AA LR6 or batteries 1.2 V Ni MH LSD



TERMINAL BLOCK

Terminal block: with 3 4-m banana inputs and an optical connector for USB communication.



DISPLAY OF THE CONNECTION ON THE SCREEN

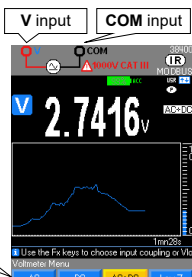


VOLTAGE: VAC, VDC, VAC+DC

1. Activate « V », then press F1, F2, F3, F4 to select the coupling:

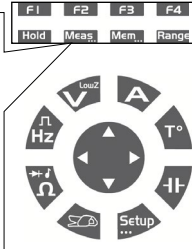
- AC,
- DC,
- AC+DC or
- VLowZ.

Configuration SETUP → MESURE to adjust the parameters: filters, impedance, reference...



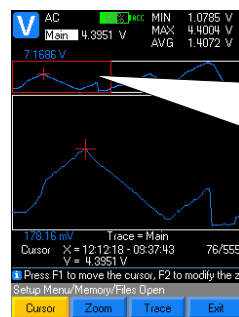
2. Graphic mode (default), but select Meas for another display

- GRAPH graphical history of the measurements
- REL relative measurement
- SURV for MIN/MAX/AVG (time stamped)
- SPEC to get the specs
- MEAS+ to select a secondary function
- WFORM wave form



3. Select Mem... to save or stop (up to 30 000 measurements, depending on model)
Consult data by long press on Mem...

GRAPHIC DISPLAY OF Mem IN VAC+DC MODE



Delimitation of the enlarged area.
Use F1/F2/F3 to select the object to be modified (cursor, Zoom or Trace) and the arrows to change the value.

FRANCE
Chauvin Arnoux
12-16 rue Sarah Bernhardt 92600
Asnières-sur-Seine
Tél : +33 1 44 85 44 85
info@chauvin-arnoux.com
www.chauvin-arnoux.com

X04857B02_Ed1_01/2026



FREQUENCY: Hz

1. Activate Hz

2. Select Range ±, frequency range and < 200 kHz or > 200 kHz
By the keys

3. Select Meas..., then

- REL relative measurement
- SURV for time stamped MIN/MAX/AVG
- SPEC to obtain the specifications.
- MEAS+ to select a secondary function among: MATCH, DCY, PER, PW+/-, CNT+/-

RESISTANCE: Ω, DIODE, CONTINUITY

1. Activate Ω, by pressing this key:

- F2 accesses continuity
- F3 accesses 100 Ohm range
- F4 selects the diodes (4 V or 26 V diode test) or subsequent presses

2. Select Meas..., then

- REL relative measurement
- SURV for time-stamped MIN/MAX/AVG
- SPEC to obtain the specifications
- MEAS+ for the MATH secondary function

CAPACITY: -fF

1. Activate -fF, by pressing this key.
Pressing:

- F1 accesses Range+
- F2 accesses Range-

Select ranges by those keys

2. Select Meas..., then:

- REL relative measurement
- SURV for time-stamped MIN/MAX/AVG
- SPEC to obtain the specifications.

TEMPERATURE

°C, °F, K in TL/TJ or Pt100/Pt1000



Display in REL mode :

REL
Reference
Δ Difference
Δ% difference in %
A long press on Meas... resets the reference.

Activate T°

- 1st press on F1 / F2 / F3 → °C, °F, K
- 2nd press → Pt100, Pt1000
- 3rd press → TC J or TC K

°C by Pt1000 graphic display:



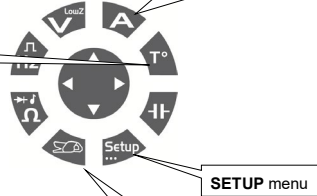
Pt100
Pt1000
TC J
TC K

DIRECT MEASUREMENT OF CURRENT: A

COM input A input



1. Activate **A** and then press **F1, F2, F3** to choose the coupling:
 - AC,
 - DC or
 - AC+DC
2. Select **SETUP** → **MESURE** to adjust the parameters: filters, impedance, reference, etc.



CURRENT WITH CLAMP



1. Activate the « clamp » function.
2. Select the coupling, then 2nd press on **SETUP** menu: **MESURE** or input **V** or **A**.
3. Enter the **ratio** of the clamp
0001.0 A / 0001.0 V
(default) by pressing
4. Select the unit, **A** (default).

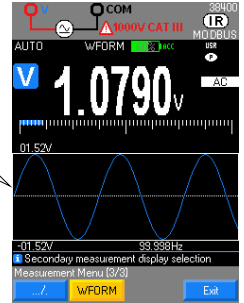
SECONDARY MODES ACCESSIBLE VIA MEAS...



Activate or deactivate the selected mode by pressing the **MEAS...** key then **F1 / F2 / F3 / F4**.

- **GRAPH**: graphic display
- **REL**: relative mode (REF, Δ, Δ%)
- **SURV**: surveillance mode (MIN, MAX, AVG)
- **SPEC**: specifications (SMIN, SMAX, %, digits)
- **MEAS+**: to access the secondary functions
- **WFORM**: to view the waveform

Select the **V** or **A** waveform. The **Waveform** mode is only available in AC for frequencies between 10 and 600 Hz. It can be used to view the waveforms and displays the MIN and MAX



SETUP MENU:

The **SETUP** menu sets the parameters through main adjustments and 3 levels:

1. **General Setup**
 - **Util**: lighting, standby, beep, language, clock
 - **Com.:** IR type, protocol: SCPI or MODBUS
 - **Power supply**: battery or rechargeable battery, capacity
2. **Measurement configuration**
 - **Measure**: filter on or off, impedance, reference, dBm and W
 - **Clamp**: V or A measurement, ratio, unit
 - **Math**: measurement, serial number, software version
3. **Configuration of personalisation MTX**
 - **Memory**: files, numbers or recordings, frequency
 - **Config**: factory configuration, USER or BASIC start model, serial number, software version.
 - **About**:

SURVEILLANCE MODE: MEAS/SURV



Activate or start deactivate or stop the **SURV** mode by pressing on **F1/F2**

Pressing **F3** in **SURV** opens a consultation window of **CONSULT** record:

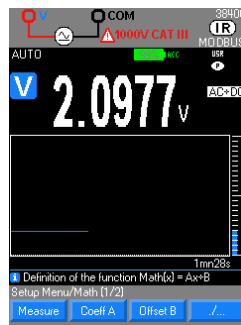


MATH FUNCTION

Function $Ax + B$ configurable to obtain a direct reading of the original quantity.

1. Open « Menu » using the **SETUP** key, then **MATH**.
2. Select the **V, A, Ω** or **Hz** function by the keys **F1, F2, F3, F4**.
3. Select and enter the **A** or **B** coefficients.
4. Select the unit.

Parameters to be adjusted:



MATH function, recall in the secondary function **V Meas.../MEAS+**:

MATH function result in secondary function and displayed main quantity.



Incrementing the number of steps since startup sequence.



Activate / deactivate the **MEM** auto-recording mode by a short press: max. 10 or 30 sequences, depending on the model.

A long press on **Mem...** opens the record consultation menu: File → **F1**:

1. Display or open the list by **F1**.
2. Select a file with the keys
3. Validate it to display by the **F1** key, then **Open**.
4. **Erase** a sequence or **Erase all** memory sequences.

