



A5YC IV CA 5292 & CA 5293

RECORDER-MULTIMETERS WITH GRAPHICAL COLOUR SCREEN



ASYC IV, the reference for multimeters

in the lab and in the field!

- Optimized display:
 - Graphical display of trends and multiple parameters
 - 600 Hz waveform
- Storage of up to 30,000 measurements with direct access [Mem]
- Power supply via USB charger
- Top-of-the-range specifications: 100 kcts, 200 kHz bandwidth and 0.02% accuracy
- Multiple analytical tools: time/date-stamped monitoring of Min/Max/Avg and Peak, filtering, duty cycle

... While continuing to offer unrivalled simplicity of use!























CA 5292 - CA 5293



ERGONOMICS AND ADVANTAGES

imultaneously portable and benchtop multimeters, the ASYC IV models are simple and intuitive to use.

Accessible directly, the various measurements are represented explicitly in the form of pictograms on the electronic switch.

The display allows users to view the measurement results either as numeric values or as graphs showing the trend over time. Recorded measurements can be displayed as traces, with the possibility of positioning cursors and zooming on a part of the recorded curve.

An integrated help function available in French and English provides information on the measurements in progress.

USB or BT communication is provided to transfer the data onto a PC for saving and programming with the LV/LW drivers.

Once the instrument is connected to the PC, the firmware can be updated by accessing the "Loader" program on the web.

PROTECTED TERMINAL STRIP

The terminal strip for the measurements is located at the top of the instrument to ensure that the screen remains as easy to read as possible. If the cables are connected to the wrong inputs, there is an audible alert signal and the function is recognized automatically.

- 4 terminals: 3 measurement inputs
- + 1 isolated connection for USB communication



C.A 5293 Gayrie aday med and C.A 52

DISPLAY WITH LARGE DIGITS

Multiple parameters with 3 levels of backlighting which vary automatically according to the lighting conditions for better visibility and more comfortable reading.



GRAPHICAL SCREEN

Monitoring of the evolution of the main quantity or display of the waveform

F1 - F4 FUNCTION KEYS

For direct access to the function menus



Specific connector to USB for charging

SELECTION OF THE MEASUREMENT FUNCTION

By means of a function key which is lit to remind you of the function selected for intuitive configuration

IP 67 MOULDED CASING

For instrument safety and comfortable handling





APPLICATIONS

SYC IV multimeters are ideal for many applications in the industrial sector, telecommunications and Defence. Their multiple functions make them easy to use for electrical, electronics and machine maintenance. In the electronics sector, the ASYC IV models can be used to test wiring, IT or medical equipment and SMDs. With their IP67 protection, they are designed to be dustproof and watertight for difficult environments. In industry, they are ideal for applications involving automation and processes in a wide variety of sectors: agri-food, plastics, concrete, metal, paper, wood, oil, nuclear.

ASYC IV multimeters can be used for the maintenance of many industrial machines: numerical control systems, motors, generators, etc.

These versatile instruments are also suitable for the needs of expert electrical installers and professionals in the transport and energy sectors.

The high-performance, affordable and ergonomic ASYC IV models also have their place in education and research.



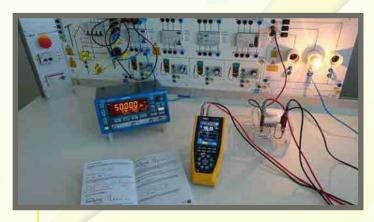
Temperature
measurement on solar
panels.
The practical
magnetized Multifix
accessory allows you to
work hands-free.



Measurements on heating and air-conditioning systems: current, voltage and temperature.



Measurement with leakage current clamp and recording of the fault.



High-performance functions for R&D and laboratory testing.



The TRMS AC voltage and current measurements are also accurate on non-linear signals.

The status of the terminal strips is constantly shown at the top of the display as a reminder.



AC, DC OR AC+DC VOLTAGE

Voltages can be measured up to 1,000 V in total safety.





The ASYC IV models measure frequency up to 5 MHz, as well as the duty cycle and power.



TEMPERATURE

up to 10 A permanent.

CURRENT

Temperatures can be measured using a J/K thermocouple or Pt100/ Pt1000 probe, depending on the model.



49.994

RESISTANCE

Resistance can be measured up to 100 M Ω .



capacitance measurements is quite wide: 1 nF to 60 mF depending on the model.



CURRENT TO

ASYC IV multimeters allow direct reading of current measurements with a clamp, thus extending the measurement range.



General configuration and customization of the measurement functions. Possibility of protection with a password.



Parameterizable mV/A or A/A ratio on the CA 5292/3293

Recording

Depending on the model, ASYC IV multimeters can record up to 30,000 values. The simplified parameterization concerns the number of measurements, the recording interval (0.2 s to 24 h), the duration and the storage capacity.





File management

Display of the files with time/date stamp and campaign name.





FUNCTIONS

Display of the trends of each main quantity with time base parameterizable from 1min28s to 1h13min20s.

CONTROL OF THE MEASUREMENT BY MEANS OF SURV AND PEAK FUNCTIONS

Time/date-stamped capture of the minimum / maximum/ average and PEAK values enables you to record the transient values and variations automatically. This function can be used for effective detection of a signal's variations or anomalies.



WAVEFORM DISPLAY

graphical trace.

STORAGE OF 30,000

RECORDED VALUES IN

THE MULTIMETER'S MEMORY

Main and secondary values with

Display of a V or I signal up to 600 Hz, with automatic trigger. Practical when you want to find out the shape and evolution of a signal.



MEASUREMENT WITH

Depending on the model, users can integrate the transformation ratio to allow direct reading of the current value, whether the clamp is equipped with a V output or an A output.



absolute and relative deviation from the reference measured.

RELATIVE VALUES

FOR GREATER

ACCURACY

The REL relative mode can be used

to express the

measurements

in terms of their

MATH FUNCTION

This function is suitable for measuring any physical quantity by conversion into the appropriate unit



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and offers direct readings (Ax + B).

Hz FUNCTION

Frequency can be measured up to 5 MHz. This function can also be used to measure the +/- duty cycle for analysis of the active or inactive intervals of switching signals or logic signals. PW+/- pulse width measurement can be used to check electronic fuel injection systems and switching power supplies.



A 300 Hz low-pass filter guarantees accurate voltage and frequency measurements on PWM variable speed drives.

ACCURATE MEASUREMENTS, INCLUDING

ON VARIABLE SPEED DRIVES

FLEXIBILITY

The RANGE function automatically selects the most suitable measurement range for the measurements in progress.

USER-FRIENDLY & TIME-SAVING

The "user/basic" function saves the setting preferences defined by the user when the instrument is powered down. This means you don't have to readjust the settings every time you switch on!

This function is password-protected.





CA 5292 & CA 5293

These portable multimeters with graphical colour display allow direct measurement of the main electrical quantities and instantaneous display of the trends. With their innovative design, they are compact, rugged, watertight and easy to grip. Other advantages include the product HMI, the advanced measurement functions and the measurement help function.

High-performance graphical multimeters...

- Easy-to-read 320 x 240-pixel colour matrix screen with black background
- Graphical display of the trends in a summary screen
- Trace, cursors and zoom on the recordings
- Recording of up to 30 sequences
- Automatic waveform display



- Storage of up to 30,000 measurements in memory. Simplified parameterization of the number of measurements, the interval, the duration and the storage capacity...
- Internal storage of 30 measurement sequences
- File manager: with date, time and name.
- Interactive zoom function and cursors on the recordings
- A simple monitoring mode displaying the time/date-stamped MIN/MAX and AVG values

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AUTO	MEAS+	1% IACC	USR 🛨	
Gestion des fichiers				
0-11/12/1815:1349 => qsg 1-11/12/1815:2312 => abc 2-11/12/1815:323 => 20181211_155328 3-11/12/1815:55:39 => 20181211_15532 4-29/01/1908:431 => euroturnei218 5-04/02/1911:2204 => 20190204_112204 6-04/02/1911:2517 => abcdefghijkImnop 8-05/02/1908:43:02 => 20190205_084302				
Contenu du fichier sélectionné: 450 val (0.3 s), V				
1 z les touches flèches haut et bas pour sélection Menu Setup/Mémoire/Fichiers				
Ouvrir	Supprimer	Tout Supp.	Annuler	

...And more

- Contextual reminder of the connections
- Standard USB communication plus Bluetooth option
- IP67 ingress protection resistant to water projection and dust, suitable for outdoor use
- Commercially-available NiMH AA rechargeable battery, the best pricequality solution
- Battery life of up to 100 hours with management of the battery level
- No time wasted: the instrument operates while charging at the same time



	CA 5292	CA 5293
Display resolution (counts)	100 k	100 k
VAC/DC/AC+DC (BW)	100 kHz	200 kHz
VLowZ	•	•
IAC / I DC	•	•
IAC+DC	•	•
IAC/DC direct reading	•	•
Resistance	•	•
Capacitance	•	•
Frequency meter	•	•
Audible continuity / Diode test	•/•	•/•
K TC / Pt100 temperature	•/•	•/•
dBm (/R) / dB (/Vref)	•/•	•/•
Resistive power	•	•
Duty cycle / Pulse width / Pulse counting	•/•/•	•/•/•
HOLD / Auto-HOLD	•/•	•/•
Min / Max / Avg	•/•/•	•/•/•
Peak+ / Peak- / CF	•/•/•	•/•/•
Relative	•	•
measurements		
MATH function	•	•
Recording	10,000	30,000
USB / Bluetooth communication	• / • (option)	• / • (option)
CAT III / CAT IV	1,000 V / 600 V	1,000 V / 600 V
3-year warranty	•	•

Documents available

- Start-up guide in 20 languages
- User's manual in more than 11 languages
- SCPI programming guide in 2 languages
- and, as always, the HMI in 5 languages!





CA 5292 & CA 5298

Communication



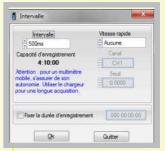
The ASYC IV models are equipped with a universal communication mode, based on the SCPI standard, via USB or Bluetooth. The SX-DMM software is a simple, effective tool for display, processing and analysis of the data. SX-DMM is delivered as standard with the product and updates are available to download free of charge from the Support website. The SX-DMM software can be used for real-time processing of the data on a PC, upgrading of the instrument and calibration, as well as offering a new function for automatic adjustment of the time on the instrument. It is also possible to display the storage capacity. The ANDROID application, available for download from the Google store, can be used to monitor measurement campaigns and view the measurements remotely.







Display of the data and the curve with the spreadsheet export function.



Parameterization of the recording campaigns



Mathematical functi<mark>ons applied to</mark> the data

The loader! Choose your working language from the 5 languages available.

4 language packs available as firmware upgrades.







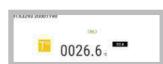
Translation of the messages

Translation of the interactive menus

ANDROID application available on Google Play.



Main function in real time + data recording and use of tools such as email, SMS, etc

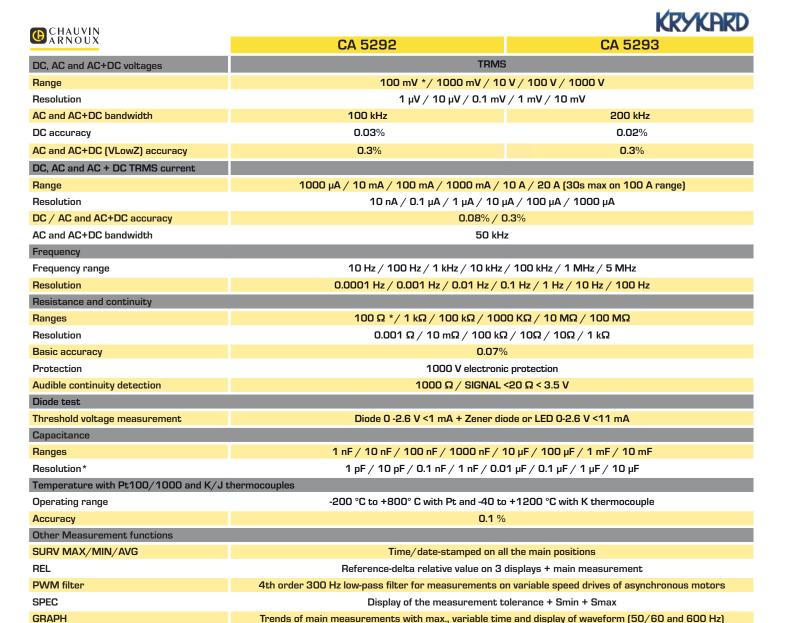




Curve plotted on a tablet

.P01196770

..HX00518



*manual access

Secondary measurements

Measurement storage

Type of display

Colour graphical (70x52) with backlighting and black background on 4 x 100,000-count displays

PC interfaces

Optical USB connector or Bluetooth (option) – SX-DMM software and ANDROID application

Power supply

USB-type charger or 4 AA batteries or NiMH rechargeable batteries

Safety / EMC

Safety as per IEC 61010-1, IEC 61010-2-033 1000 V-CAT III / 600 V CAT IV

EMC as per EN 61326-1

Environment

Storage: -20 °C to +70 °C – Operation: 0 °C to +40 °C

Mechanical specifications

Dimensions (L x W x H): 196x90x47.1 mm – Weight: 570 g

Warranty 1 year

STANDARD KIT CONTAINS

4 x 1.5 V NiMH rechargeable batteries 1.5 m straight/straight red cable 1.5 m straight/straight black cable Red CAT IV 1 kV test probe Black CAT IV 1 kV test probe

USB optical communication cable + SX-DMM software

USB charger + USB connection cable

User's Manual on CD and multilingual start-up guide on paper

REFERENCES

CA 5292	P01196802
CA 5293	P01196803
CA 5292BT	P01196812
CA 5293BT	P01196813

3 measurements + main measurement

30,000

10.000



Calibration software...

Kit of 4 NiMH batteries.....

