

Fast, accurate, top-quality multimeters for professionals working in industry

**600 V CAT IV
1000 V CAT III**

**TRMS Multimeter
50,000 counts**



- **50,000-count dual display & bargraph**
- **TRMS measurements**
- **High accuracy**
- **High bandwidth**
- **Fast response time**
- **Storage of the measurement temperature**
- **Standard SCPI communication capability**

TOP METROLOGICAL PERFORMANCE FOR CUTTING-EDGE SECTORS

- Industrial process control
- Electrotechnical and electronic maintenance
- Research and development
- Industrialization (test and verification bench)
- Test or qualification laboratories
- Metrological verification (on-site secondary reference standard)
- Repair and adjustment

THE EXTRAS

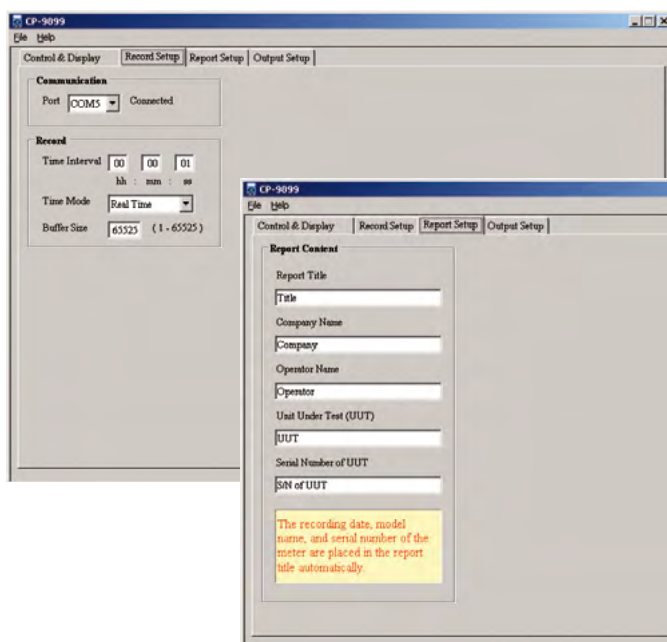
- Auto-HOLD, MIN/MAX/PEAK
- Dual display with temperature during measurements



THE BASICS

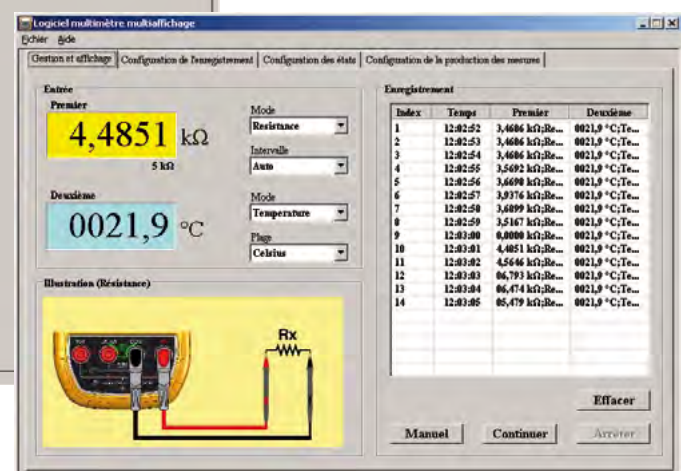
- Acquisition of typical values
- Automatic or manual dynamic capture
- Measurement of inrush voltages and currents over a 1 ms period
- Calibration and adjustment without opening the casing

EASY TO USE! 1, 2, 3 AND IT'S OPERATIONAL!



1/ Parameterization of the link and the acquisition rate

2/ Parameterization of the report information



3/ Display of the measurements and recordings and configuration of primary and secondary measurement presentation. Export of the recordings in .csv format

ERGONOMIC AND COMMUNICATING



- Their moulded sheath offers greater safety and comfort. The casing ergonomics have been specially designed for easier handling.
- Simple connection and easy parameterization.



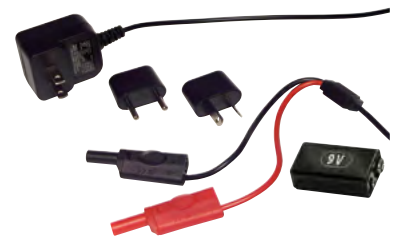
The C.A. 5287 is equipped with a secure optical link for all-round protection of the user and the PC..

Comprehensive processing

- Simple control using a PC
- Printing of reports
- Data export into Excel

DELIVERED FULLY EQUIPPED

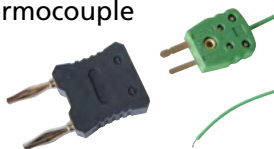
Delivered complete with its measurement accessories, the C.A. 5287 is operational very quickly.



Unrestricted use with the rechargeable battery and charger*

Temperature measurement using the K thermocouple adapter*

* Option.



For temperature measurements, Chauvin Arnoux proposes a particularly broad panel of sensors, including for surface measurement, measurement in pipes, etc.



C.A 5287

Display	Dual LCD display, 51,000 counts, 21-segment bargraph – Automatic polarity indication – Backlighting	
Bandwidth	30 kHz (V) / 20 kHz (A)	
Voltage	DC AC	7 ranges from 50 mV to 1000 V / Resolution from 0.001 mV to 0.1 V depending on the calibre Best accuracy 0.03 % + 5 D 7 ranges from 50 mV to 1000 V / Resolution from 0.001 mV to 0.1 V depending on the calibre Best accuracy 0.6 % + 25 D
Current	DC AC	6 ranges from 500 µA to 10 A / Resolution from 0.01 µA to 1 mA 6 ranges from 500 µA to 10 A / Resolution from 0.01 µA to 1 mA
Resistance	6 ranges from 500 Ω to 50 MΩ / Resolution from 0.01 Ω to 1 kΩ	
Conductance	0.01 nS to 50 nS	
Diode test / Continuity test	Yes / Yes	
Frequency	5 ranges from 99.999 Hz to 999.99 kHz	
Duty cycle	0.01 % to 99.99 % - DC coupling mode	
Pulse width	500 ms - 2,000 ms	
Capacitance	8 ranges from 10 nF to 100 mF	
Temperature	Thermocouple type K / Range from -200 °C to +1,372 °C	
dB (calculation of decibels)	dBm (programmable reference load) / dBv	
Relative mode	Yes	
Peak	1 ms (250 µs in repetitive mode)	
Min-Max-AVG	Yes with dynamic acquisition and time/date-stamped display (in seconds) of the event	
Operating temperature	0 °C to +50 °C	
Storage temperature	-20 °C to +60 °C with battery removed	
Relative humidity (RH)	Maximum 80 % RH for temperatures up to 31 °C diminishing linearly to 50 % HR at 50 °C	
Temperature coefficient	0.15 x (specified accuracy) /°C (0 °C to 18 °C or 28 °C to 50 °C)	
Common mode rejection rate (CMRR)	> 90 dB with DC, 50/60 Hz ± 0.1 % (1 kΩ unbalanced)	
Normal mode rejection rate (NMRR)	> 60 dB to 50/60 Hz ± 0.1 %	
Power supply	One standard 9 V alkaline or carbon zinc battery. Integrated system for management of rechargeable 9 V Ni-MH batteries	
Battery life	80 hours for DC voltage measurement (approx.) (9 V alkaline battery / 545 mAh). With indication of the battery capacity.	
Communication interface	Two-way optical link. SCPI command instructions.	
Electrical safety	NF EN 61010-1 (2001) and NF EN 61010-2-32 (2002) for 1,000 V CAT III or 600 V CAT IV, pollution degree 2	
Electromagnetic compatibility	Complies with the standard on electromagnetic compatibility as per NF EN 61326-1 (07/97) + A1 (10/98) + A2 (09/2001)	
Dimensions / Weight	44 (H) x 103 (l) x 203 (L) mm / 680 g with battery	

References for ordering

C.A 5287 **P01196787**

Delivered with 1 quick start-up guide in 5 languages, 1 set of leads with test probes, 1 x 9 V battery, 1 operating manual in 5 languages on mini-CD.

Accessories & spares

Charger pack + Ni-MH 9V battery **P01196781**

C.A 528x PC software + communication kit **P01196782**

Adapter for K thermocouple
(delivered with 1 wire thermocouple) **P06239306**

Set of 5 HRC fuses 10x38 0.44 A 1 kV **P01297094**

Set of 5 HRC fuses 10x38 11 A 1 kV **P01297092**

For information and ordering



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