

# *Transform your multimeter into a digital thermometer*

**C.A 801**

**C.A 803**

**Thermometric  
Adapters**

→ Plugs directly onto  
any digital multimeter  
with an mV DC input  
(safety terminals with standard  
19 mm centre distance)

→ More economical  
and just as good  
performance as  
a traditional thermometer!



- Choice of units: °C or °F
- Operating indicator
- "LOW BATT" indicator
- Testing of the sensors and their connection
- Range overrun display
- Differential measurement ( $\theta_1 - \theta_2$ ) on C.A 803 model



**T**he C.A 801 and C.A 803 are compact temperature adapters capable of transforming any digital multimeter into a genuine professional K-thermocouple thermometer.

All you need is a digital thermometer with an mV DC input and a minimum impedance of 2 MΩ. Even better, if the Ø 4 mm terminals of your multimeter are 19 mm apart (standard distance for equipment that complies with the current norms), you can connect the adapter by plugging it in directly. In this way, you can set up a self-contained instrument which is as easy to handle as a thermometer, with the same performance but at a price that is much more competitive.

The sturdy design of these adapters and the varied range of K-thermocouple sensors which can be connected to them make them particularly well-suited to on-site measurements. At home everywhere, they can be adapted to any application and are interesting for all industrial players.

The C.A 801 standard delivery includes a wire sensor (1.1 m) for measurements from -40 to 200°C

With its two inputs, the C.A 803 can also be used for differential measurements ( $\theta_1 - \theta_2$ )



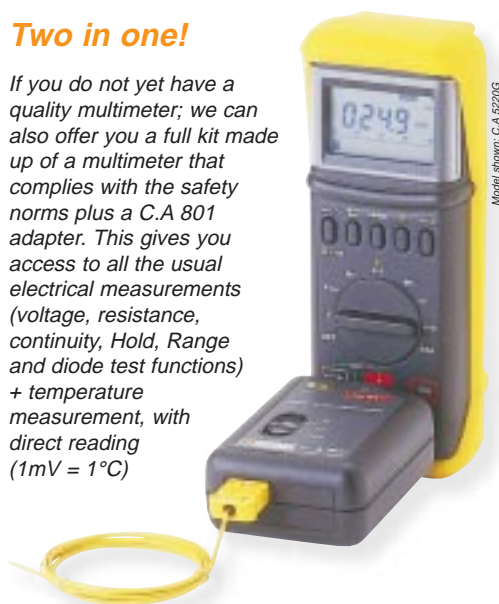
**Accessory:** a whole range of interchangeable K sensors equipped with a handle and mounted on a miniature compensated plug to cover the widest possible range of on-site applications.

## GENERAL SPECIFICATIONS

- Measurement ranges: -40 to +1000°C / -40 to +1800°F
- Sensitivity: 1 mV DC / °C (or /°F)
- Typical accuracy: < 1%
- Temperature of use: 0 to 50°C
- Power supply: 9 V battery
- Battery charge life: 300 h
- Minimum impedance of associated measuring instrument: 2 MΩ
- Ø 4 mm safety terminals with standard 19 mm centre distance
- IEC 1010-1 -24 V - Cat II-2
- Dimensions / Weight: 120 x 64 x 35 mm / 200 g

### Two in one!

If you do not yet have a quality multimeter; we can also offer you a full kit made up of a multimeter that complies with the safety norms plus a C.A 801 adapter. This gives you access to all the usual electrical measurements (voltage, resistance, continuity, Hold, Range and diode test functions) + temperature measurement, with direct reading (1mV = 1°C)



Model shown: C.A 5220G

## To order

- **C.A 801** .....P01.6524.01Z  
Delivered in a blister pack with a 9 V alkaline battery, K-thermocouple wire sensor and user's manual.
- **C.A 803** .....P01.6524.11Z  
Delivered in a blister pack with a 9 V alkaline battery, 2 K-thermocouple wire sensors and user's manual.
- **C.A 5205G + CA 801** .....P01.6524.02Z  
A complete kit delivered in a blister pack, comprising a C.A 5205G multimeter (with batteries, leads and user's manual) and a C.A 801 adapter (with battery, wire sensor and user's manual).
- **Accessories: interchangeable K-thermocouple sensors**

Name	Use	Temperature	Diameter	Length	Sales code
SK11	penetration needle	-50...+600°C	3 mm	130 mm	P03.6529.17
SK13	general use	-50...+1100°C	3 mm	300 mm	P03.6529.18
SK14	surface (elbowed at 90°)	-50...+450°C	6 mm	130 mm	P03.6529.19
SK15	surface (mounted on spring)	-50...+900°C	8 mm	130 mm	P03.6529.20
SK17	ambient air	-50...+600°C	6 mm	130 mm	P03.6529.21
SK19	surface (with magnet)	-50...+200°C	14 mm	12 mm	P03.6529.22

**FRANCE**  
190, rue Championnet  
75876 Paris Cedex 18  
Tél. : (33) 01 44 85 44 85  
Fax : (33) 01 46 27 73 89

**UNITED KINGDOM**  
Waldeck House - Waldeck Road  
Maidenhead SL6 8BR  
Tél. : 01628 788 888  
Fax : 01628 628 099

<http://www.chauvin-arnoux.com>

