

# Measure magnetic fields

**C.A 40**  
GAUSSMETER



*An oscillating cathode screen, a buzz in the telephone...*



- Low frequency magnetic field measurements
- Measuring range: 0.1 to 199.9 mG
- 2000-point digital display
- Easy-to-handle one-way probe

**Quickly  
evaluate  
the level  
of radiation  
on all your  
appliances and  
installations**



CE

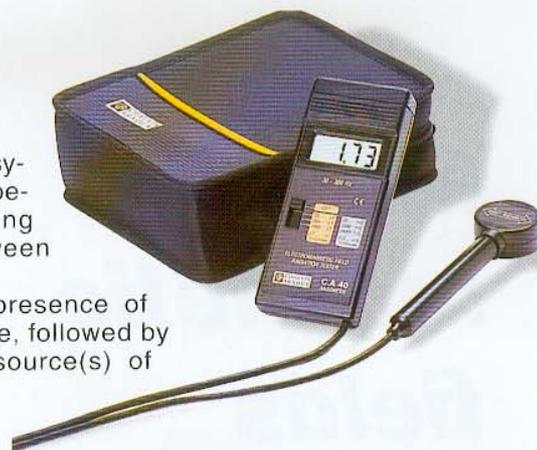
**CHAUVIN  
ARNOUX**



**T**he C.A 40 is a very easy-to-use gaussmeter, specially designed for measuring electromagnetic fields between 0.1 mG and 200 mG.

It is used to confirm the presence of a field by evaluating its value, followed by a precise search for the source(s) of disturbance.

The C.A 40 comes in the form of a measuring unit, with an external ambient field probe. The sensor is polarised on a single axis. The detection range includes industrial currents at 50/60 Hz and their harmonics.



Display	13 mm LCD, 3 1/2 pt
Range/Resolution	20 $\mu$ Tesla / 0.01 $\mu$ Tesla 200 $\mu$ Tesla / 0.1 $\mu$ Tesla 2000 $\mu$ Tesla / 1 $\mu$ Tesla Reminder: 1 $\mu$ Tesla = 10 milli Gauss
Bandwidth	30 Hz to 300 Hz
Number of axes	Single axis
Precision*	$\pm$ (4% + 3 pt) 20 $\mu$ Tesla range $\pm$ (5% + 3 pt) 200 $\mu$ Tesla range $\pm$ (10% + 5 pt) 2000 $\mu$ Tesla range
Range overrun	The screen displays "1"
Power supply	9 V DC battery
Operating temperature	0...50°C
Operating humidity	90% RH max. (0...35°C) 80% RH max. (35...50°C)
Use	Indoors
Electrical safety	IEC 1010
Degree of pollution	2 (no pollution or dry, non-conducting pollution)
EC compatibility	emission EN 50081-1 immunity EN 50082-1
Weight	285 g (including battery)
Dimensions in mm	Housing: 163 x 68 x 24 Probe: 175 x 45 x 22

\* environmental conditions:  
- at 50/60 Hz  
- RF field level < 3 V/m and < 30 MHz

• Your distributor

Electromagnetic fields are the resultant of an electrical field component and a magnetic field component: transformers, electromagnets, high-tension lines, electric ovens, cathode screens, ...

These often high-level fields create disturbances in their immediate environment, with a variety of effects: EMC coupling problems in cable ways (high currents / low currents), buzzing in telephones, defective reading of magnetic tapes, oscillating picture on cathode ray tubes... and, in the long term, the more worrying effects are, without any doubt, the biological consequences\* on the human body.

\* It is now accepted that the proximity of high tension lines or major sources of current (underground cables...) can cause serious health problems for some people.

#### TO ORDER

- C.A 40 .....P01.1675.01  
Supplied with a 9V battery and user's manual
- Accessories:**
- Shoulder bag .....P01.2980.36

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

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

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

 **CHAUVIN  
ARNOUX**