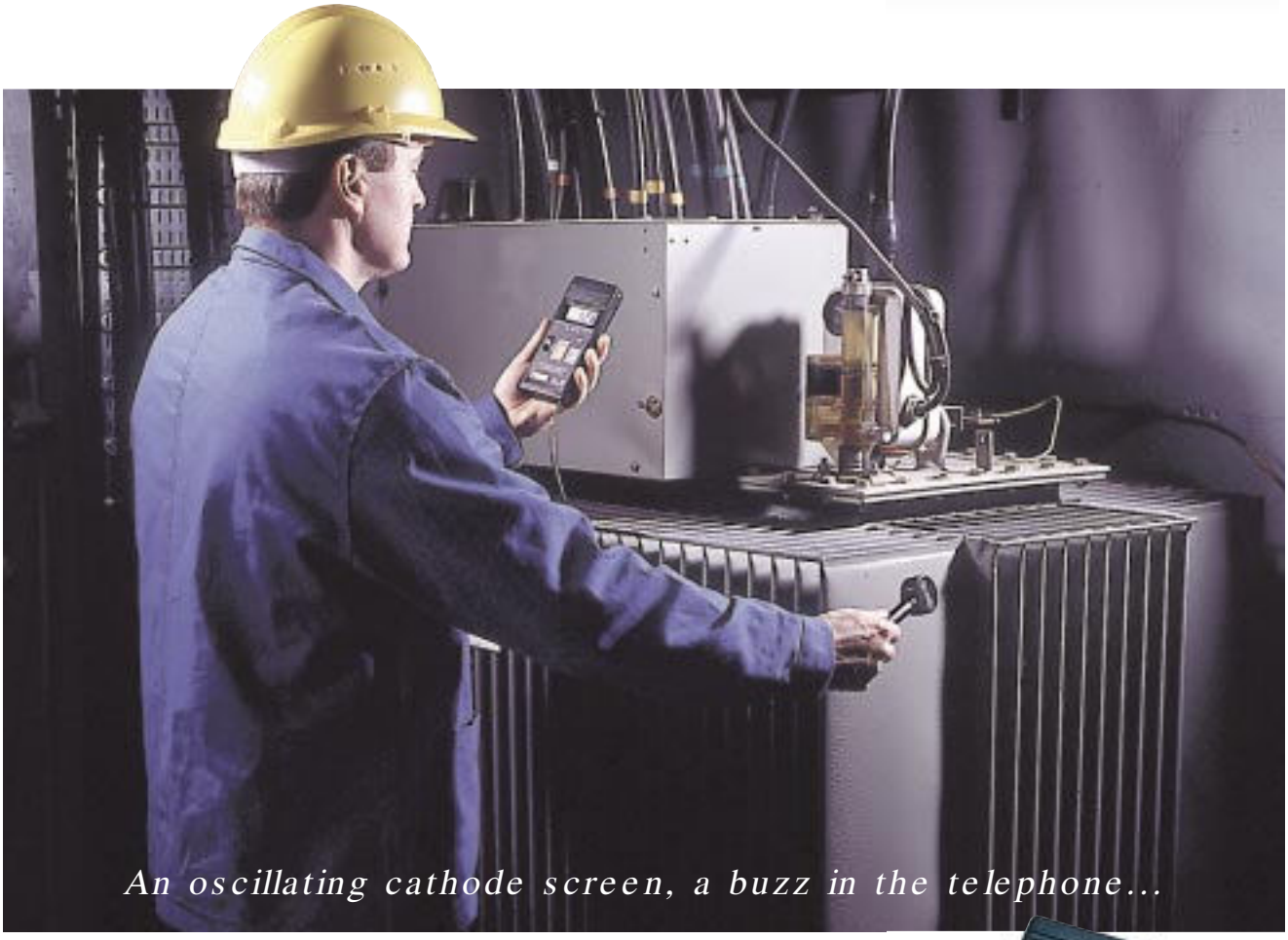
ICS SCHNEIDER MESSTECHNIK

Measure magnetic fields

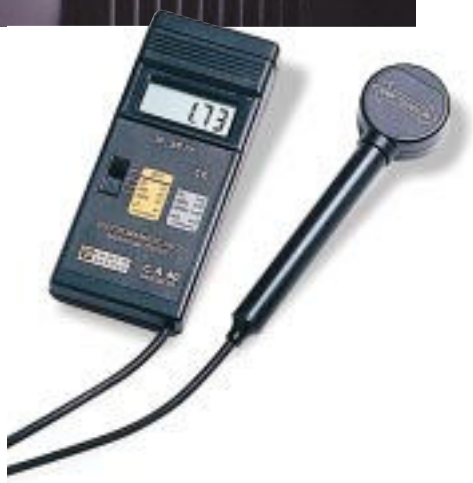
C.A 40

GAUSSMETER



- 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



ICS Schneider Messtechnik GmbH
Briesestraße 59
D-16562 Hohen Neuendorf / OT Bergfelde

Tel.: 03303 / 504066
Fax: 03303 / 504068

info@ics-schneider.de
www.ics-schneider.de

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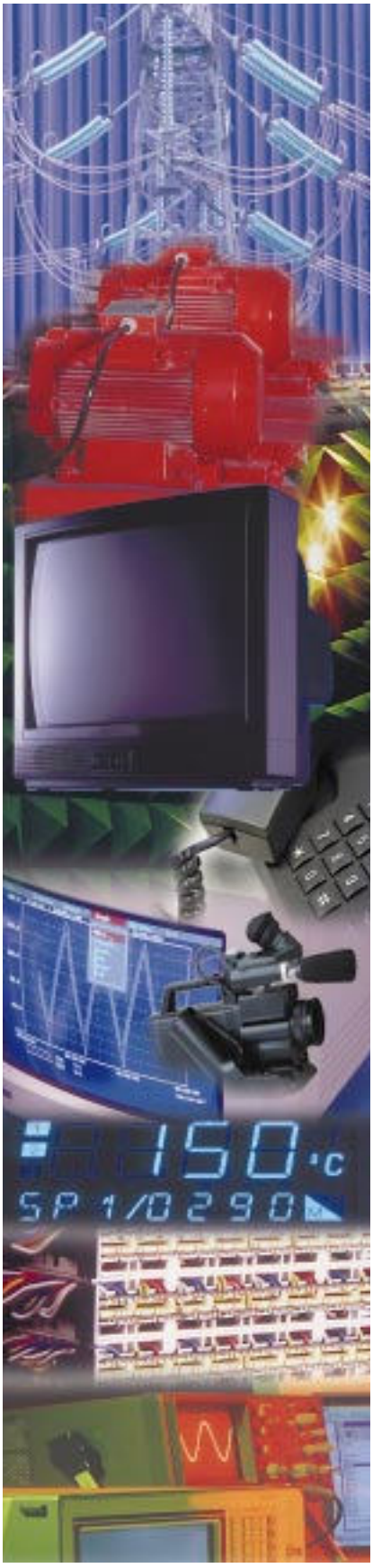

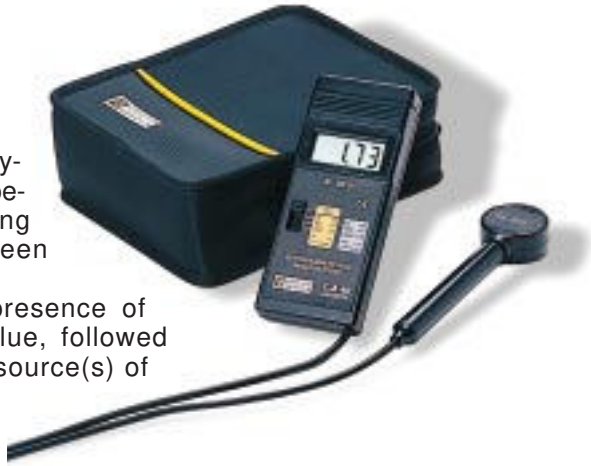

The C.A 40 is a very easy-to-use gaussmeter, specially designed for measuring electromagnetic fields between 0.1 mG and 200 mG.
It is used to confirm the presence of a field by evaluating its value, followed by a precise search for the source(s) of disturbance.
The C.A 40 comes in the form of a measuring 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 µ Tesla / 0.01 µ Tesla 200 µ Tesla / 0.1 µ Tesla 2000 µ Tesla / 1 µ Tesla Reminder: 1 µ Tesla = 10 milli Gauss
Bandwidth	30 Hz to 300 Hz
Number of axes	Single axis
Precision*	± (4% + 3 pt) 20 µ Tesla range ± (5% + 3 pt) 200 µ Tesla range ± (10% + 5 pt) 2000 µ 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

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**

• Your distributor

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