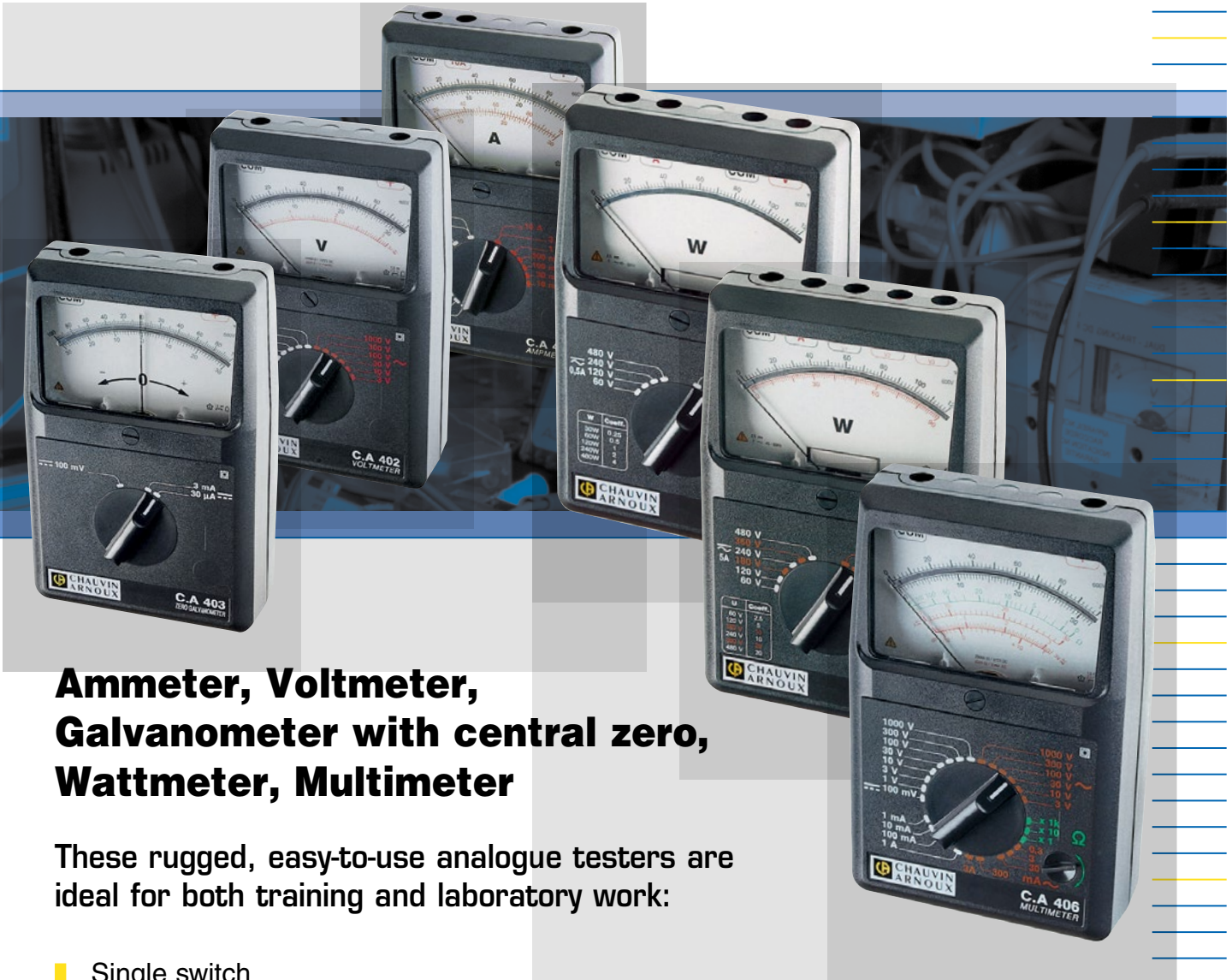



C.A 400 Series

Testers for laboratory use



Ammeter, Voltmeter, Galvanometer with central zero, Wattmeter, Multimeter

These rugged, easy-to-use analogue testers are ideal for both training and laboratory work:

- Single switch
- Safety sockets
- HRC fuses and electronic protection systems
- Double insulation 

AC/DC ammeter **C.A 401**

Magneto-electric equipment with rectifier

- 11 DC ranges: 100 μ A to 10 A
- 100 mV DC calibre for shunts
- 7 AC ranges: 10 mA to 10 A

Accuracy

- $\pm 2\%$ for DC
- $\pm 2.5\%$ for 10 A DC range
- $\pm 2.5\%$ for AC
- $\pm 3.5\%$ for 10 A AC range

Frequency response

- Reference range: 45 Hz to 65 Hz
- Operating range: 45 Hz to 400 Hz

Dial

- 2 black DC scales (0 to 100 and 0 to 30)
- 2 red AC scales (0 to 100 and 0 to 30)

Fuses

- 1 A HRC and 10 A HRC



Single and three-phase AC/DC wattmeter **C.A 405**

Ferrodynamic equipment

- 6 DC or single-phase AC voltage ranges: 60 V to 480 V
- 4 balanced three-phase AC voltage ranges: 60 $V\sqrt{3}$ to 240 $V\sqrt{3}$
- 1 current range: 5 A

Accuracy

- $\pm 1\%$ for single-phase AC
- $\pm 2\%$ for balanced three-phase AC
- $\pm 2.5\%$ for DC

Frequency response

- Reference range: 45 to 65 Hz
- Operating range: 15 Hz to 500 Hz

Dial

- 1 black scale (0 to 120)
- 1 red scale (0 to 90)

Fuse

- 6.3 A HRC



AC/DC voltmeter **C.A 402**

Magneto-electric equipment with rectifier

- 8 DC ranges: 100 mV to 1,000 V
- 6 AC ranges: 3 V to 1,000 V

Internal resistance

- 20 k Ω / V DC and 6.32 k Ω / V AC

Accuracy

- $\pm 1.5\%$ for DC
- $\pm 2.5\%$ for AC

Frequency response

- Reference range: 45 to 65 Hz
- Operating range: 20 Hz to 400 Hz

Dial

- 2 black scales (0 to 30 and 0 to 100)
- 1 red scale for the 3 V AC range



Multimeter **C.A 406**

Magneto-electric equipment

- 8 DC voltage ranges: 100 mV to 1,000 V, accuracy: $\pm 1.5\%$
- 6 AC voltage ranges: 3 V to 1,000 V, accuracy: $\pm 2.5\%$
- 4 DC current ranges: 1 mA to 1 A, 1 x 50 μ A range (same switch position as the 100 mV DC range), accuracy: $\pm 2\%$
- 5 AC current ranges: 0.3 mA to 3 A, 1 x 150 μ A AC range (same switch position as the 3 V AC range), accuracy: $\pm 2.5\%$ and $\pm 3\%$ for the 3 A AC range
- 3 resistance ranges: 0.5 Ω - 1 k Ω to 1 M Ω , accuracy: $\pm 5\%$

Internal resistance

- 20 k Ω / V DC and 6.32 k Ω / V AC

Frequency response

- Reference range: 45 to 65 Hz
- Operating range: 20 Hz to 400 Hz

Dial

- 2 black scales (0 to 30 and 0 to 100)
- 1 green expanded Ω scale (0 to 1,000)
- 1 red A AC scale (0 to 30)
- 1 red 3 V AC scale (0 to 3)
- 1 red decibel scale (-10 dB to + 12 dB)

Fuses

- 3.15 A HRC and 160 mA HRC



Galvanometer with central zero **C.A 403**

Magneto-electric equipment

- 2 ranges: 30 μ A DC and 3 mA AC
- 100 mV DC range for shunts

Accuracy

- $\pm 1.5\%$

Dial

- 2 black scales (0 to 30 and 0 to 100)

Fuse

- 315 mA HRC



Single-phase AC/DC wattmeter **C.A 404**

Ferrodynamic equipment

- 4 voltage ranges: 60 V to 480 V
- 2 current ranges: 1 A and 5 A

Accuracy

- $\pm 1\%$ for AC and $\pm 2.5\%$ for DC

Frequency response

- Reference range: 45 Hz to 65 Hz
- Operating range: 0 Hz to 500 Hz

Dial

- 1 black scale (0 to 120)

Fuse

- 1.25 A HRC



Multimeter **C.A 406 kit**

For active training: a multimeter delivered as a kit for the professionals of tomorrow.

This build-it-yourself version of the C.A 406 is specially designed for students in technical and vocational education, as well as for fans of electronics as a leisure activity.

- Same specifications as the C.A 406 multimeter
- Easy-to-assemble and attractive
- Minimal tooling required: soldering iron, pliers and screwdriver
- Delivered with particularly detailed illustrated assembly instructions

