



## C.A 6418

Earth clamp with oblong head



### TEST EARTH LOOPS ON RECTANGULAR BARS

- Loop resistance measurement from 0.01 to 1,200  $\Omega$
- Current measurement from 0.5 mA to 20 A
- Alarms available in  $\Omega$  and A
- Time/date-stamped storage of 300 measurements
- Automatic hold of the display when the clamp is opened
- Automatic calibration of the jaw gap
- Recalibration possible without returning to factory



100V  
CAT IV

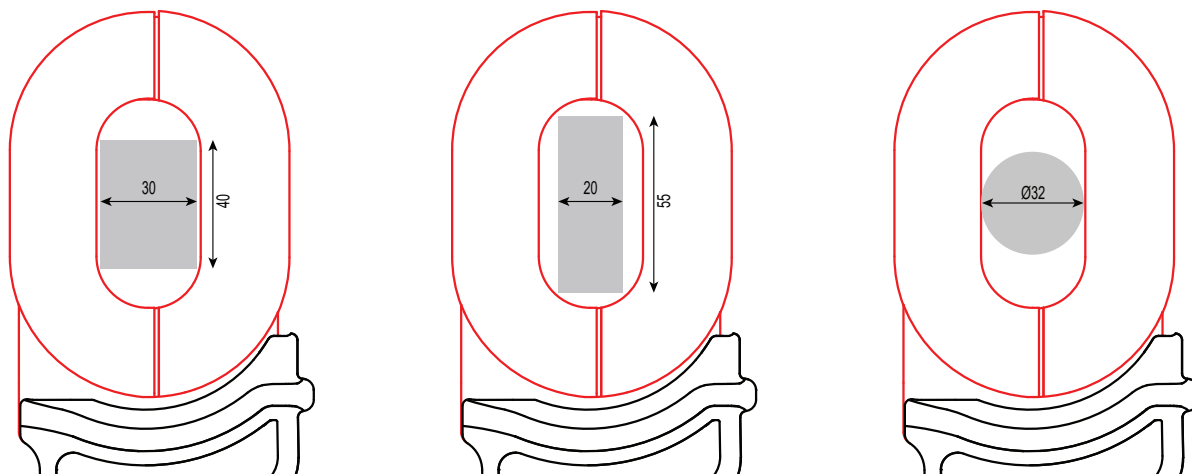
150V  
CAT III

IP  
40

*Measure up*



## C.A 6418 clamp for clamping any type of earth bar



## C.A 6418 technical specifications

### LOOP OHMMETER

|                    |                                |                        |                        |                        |                      |                       |                       |                       |
|--------------------|--------------------------------|------------------------|------------------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------|
| Measurement ranges | 0.010 to 0.099 $\Omega$        | 0.10 to 0.99 $\Omega$  | 1 to 49.9 $\Omega$     | 50 to 149 $\Omega$     | 150 to 245 $\Omega$  | 250 to 440 $\Omega$   | 450 to 640 $\Omega$   | 650 to 1,200 $\Omega$ |
| Resolution         | 1 m $\Omega$                   | 10 m $\Omega$          | 100 m $\Omega$         | 1 $\Omega$             | 5 $\Omega$           | 10 $\Omega$           | 10 $\Omega$           | 50 $\Omega$           |
| Accuracy           | $\pm (1.5 \% R + 0.01 \Omega)$ | $\pm (1.5 \% R + 2 r)$ | $\pm (1.5 \% R + 2 r)$ | $\pm (2.5 \% R + 2 r)$ | $\pm (5 \% R + 2 r)$ | $\pm (10 \% R + 2 r)$ | $\pm (15 \% R + 2 r)$ | $\pm (20 \% R + 2 r)$ |
| No-load voltage    | $\leq 4.5$ mV to 2,083 Hz      |                        |                        |                        |                      |                       |                       |                       |

### AMMETER

|                    |                            |                    |                    |                    |                    |
|--------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|
| Measurement ranges | 0.5 to 9.995 mA            | 10.00 to 99.90 mA  | 100.0 to 299.0 mA  | 0.300 to 2.990 A   | 3.00 to 20.00 A    |
| Resolution         | 50 $\mu$ A                 | 100 $\mu$ A        | 1 mA               | 10 mA              | 100 mA             |
| Accuracy           | $\pm (2 \% R + 200 \mu A)$ | $\pm (2 \% R + r)$ | $\pm (2 \% R + r)$ | $\pm (2 \% R + r)$ | $\pm (2 \% R + r)$ |

### SETUP

|                     |                              |
|---------------------|------------------------------|
| Alarms              | Configurable for Z and I     |
| Buzzer              | Active                       |
| HOLD                | Manual or automatic PRE-Hold |
| Automatic power-off | Active / Inactive            |

## C.A 6418 general specifications

### LOOP OHMMETER

|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Display            | OLED 152 segments – Active area 48 x 39 mm              |
| Storage            | 300 time/date-stamped measurements                      |
| Power supply       | 4 x 1.5 V LR6 AA alkaline batteries or 4 NiMH batteries |
| Battery life       | 2,400 x 30 s measurements                               |
| Calibration        | Automatic at start-up                                   |
| IEC 61010          | 100 V CAT IV , 150 V CAT III                            |
| Ingress protection | IP 40                                                   |
| Dimensions         | 300 x 106 x 56 mm                                       |
| Weight             | 1.2 kg approx. including batteries                      |

\* R = Reading, r = resolution

## State at delivery

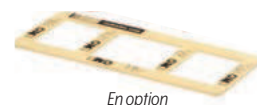
A C.A 6418 delivered with:

- 1 carrying case
- 4 x 1.5 V batteries
- 1 wrist strap
- 1 CD-Rom containing the user's manuals
- 1 quick startup guide
- 1 multi-language safety datasheet
- 1 verification certificate



## References for ordering

|                            |           |
|----------------------------|-----------|
| C.A 6165 .....             | P01122018 |
| CLI calibration loop ..... | P01122301 |



**FRANCE**  
**Chauvin Arnoux**  
 190, rue Championnet  
 75876 PARIS Cedex 18  
 Tel: +33 1 44 85 44 38  
 Fax: +33 1 46 27 95 59  
 export@chauvin-arnoux.fr  
 www.chauvin-arnoux.com

**UNITED KINGDOM**  
**Chauvin Arnoux LTD**  
 Unit 1 Nelson Ct, Flagship Sq, Shaw Cross Business Pk  
 Dewsbury, West Yorkshire - WF12 7TH  
 Tel: +44 1924 460 494  
 Fax: +44 1924 455 328  
 info@chauvin-arnoux.co.uk  
 www.chauvin-arnoux.com

**MIDDLE EAST**  
**CHAUVIN ARNOUX MIDDLE EAST**  
 P.O. BOX 60-154  
 1241 2020 JAL EL DIB - LEBANON  
 Tel: +961 1 890 425  
 Fax: +961 1 890 424  
 camie@chauvin-arnoux.com  
 www.chauvin-arnoux.com

**CHAUVIN**  
**ARNOUX**  
 GROUP