



C.A 6418

Earth clamp with oblong head



TEST EARTH LOOPS ON RECTANGULAR BARS

- Loop resistance measurement from 0.01 to 1,200 Ω
- Current measurement from 0.5 mA to 20 A
- Alarms available in Ω 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

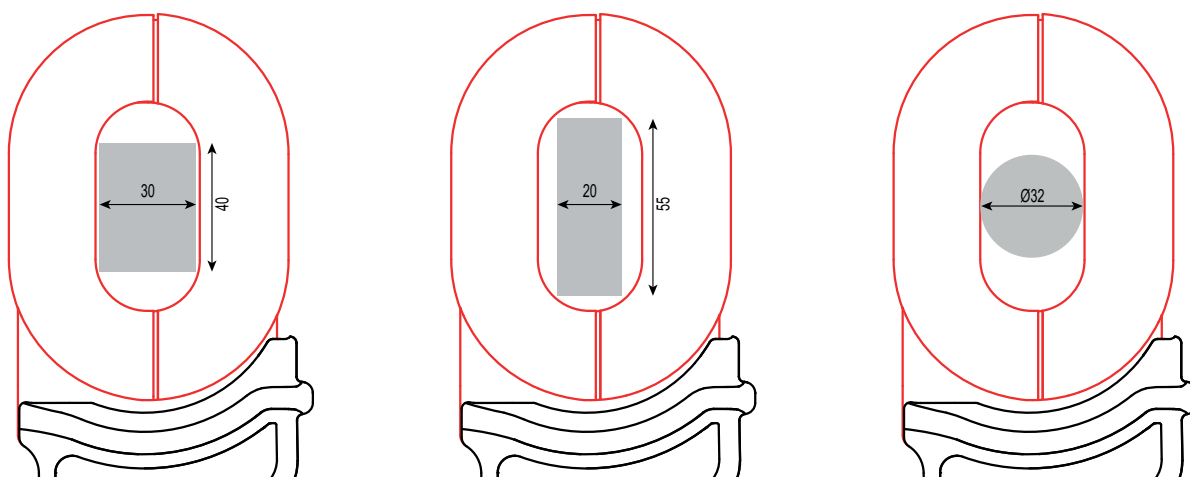
150V
CAT III

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 Ω	0.10 to 0.99 Ω	1 to 49.9 Ω	50 to 149 Ω	150 to 245 Ω	250 to 440 Ω	450 to 640 Ω	650 to 1,200 Ω
Resolution	1 m Ω	10 m Ω	100 m Ω	1 Ω	5 Ω	10 Ω	10 Ω	50 Ω
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	≤ 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 μ A	100 μ 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 6418	P01122018
CLI calibration loop	P01122301



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