

3-pole earth resistance testers

C.A 6421 & C.A 6423

The standalone, leakproof C.A 6421 and C.A 6423 earth testers are very easy-to-operate, lightweight instruments designed for use in the field or in difficult conditions. They provide quick, accurate earth resistance measurements in comfortable, safe conditions with the traditional 3-pole stake-based method. After setting up and connecting the stakes, simply press a button to read the resistance measurement while monitoring the reliability by means of LEDs.



C.A 6421

Ergonomics

- Leakproof site case for use in the field
- Easy-to-read analogue or digital display
- Simple to operate
- Instant connection thanks to colour-coding of the terminals and leads

Measurements

- Resistance measurement by 2 or 3-pole method
- Designed to reject high levels of noise and interference
- Direct reading of the result between 0.5 Ω and 2,000 Ω (1000 Ω on the C.A 6421)
- Auto-ranging (for the C.A 6423)
- Measurement fault or disturbance indicator LEDs

Power supply

- Battery-powered
- Battery life equivalent to 1,800 measurements each lasting 15 seconds



C.A 6423

	C.A 6421	C.A 6423
Specifications		
Measurement	Earth resistance	Earth resistance
Type	2P & 3P	2P & 3P
Resistivity	No	No
Measurement range	0.5 Ω to 1,000 Ω	0.01 Ω to 2,000 Ω (3 automatic calibres)
Resolution	-	10 m Ω / 100 m Ω / 1 Ω (depending on calibre)
Accuracy	\pm (5 % + 0.1 % at full scale)	\pm (2 % + 1 count)
No-load voltage	\leq 24 V	\leq 48 V
Frequency	128 Hz	128 Hz
Alarms	3 fault-indicator LEDs to validate the measurement	3 fault-indicator LEDs to validate the measurement
Other features		
Power supply	8 x 1.5 V batteries	8 x 1.5 V batteries
Display	Analogue	2,000-count digital LCD screen
Electrical safety	IEC 61010 & IEC 61557	IEC 61010 & IEC 61557
Dimensions	238 x 136 x 150 mm	238 x 136 x 150 mm
Weight	1.3 kg	1.3 kg

References to order

> **C.A 6421** **P01123011**
Delivered with 1 carrying strap, 8 x LR6 1.5 V batteries, 1 operating manual in 5 languages

> **C.A 6423** **P01127013**
Delivered with 1 carrying strap, 8 x LR6 1.5 V batteries, 1 operating manual in 5 languages

Accessories / Spares

Carrying strap P01298005
0.1 A - 250 V HRC fuses (set of 10) P01297012
1.5 V ALK LR6 battery P01296033
1.5 V ALK LR6 batteries (x 12) P01296033A
1.5 V ALK LR6 batteries (x 24) P01296033B

See page 28 for the earth and/or resistivity kits

