

# CA 6422 - CA 6424 GROUND TESTERS

## CA 6422 – CA 6424



### TARGET MARKETS

- **Self-employed electricians:** for verifications and troubleshooting during refurbishing & repair works
- **Contractors:** for checking new or renovated installations
- **Certification organizations:** for verifications at start-up and routine inspections
- **Education** for explanatory illustrations
- **Fire brigades** for truck grounding (USA)

### TARGET USERS

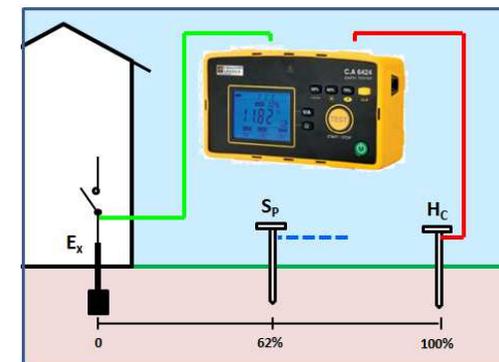
- **Self-employed electricians**
- **Professional contractors**
- **Certification organizations**
- **Teachers**
- **Fire brigades (USA)**

### KEY COMPETITIVE ADVANTAGES

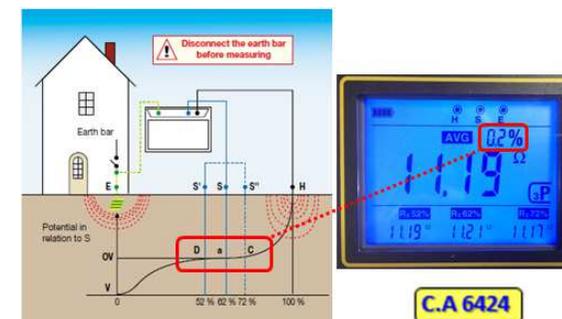
- **For use by non-specialists**
- **Single pushbutton** operation & automatic  $R_E$  measurement stop
- **Help** with signal connection on the **display**
- **Noise** **NOISE** and hazardous voltage  detection
- **Automatic start** in 2P measurement mode, for immediate H stake integrity checking
- **Automatic  $R_E$  3P measurement stop** when stable
- **Automatic** measurement frequency adaptation 128Hz / 256Hz
- **Extended** measurement range 50.00k $\Omega$  for high resistivity soil applications **C.A 6424**
- **Help** in confirming stake placement (RH value & average  $R_E$  52%/62%/72% display) **C.A 6424**
- **Voltage** measurement up to 600V **C.A 6424**
- **Current** measurement from 0.5mA to 60A via optional G72 clamp **C.A 6424**
- **NiMH batteries** rechargeable via the mains, USB & vehicle cigar lighter outlet **C.A 6424**
- **600V CAT IV**
- **Field-proof IP65** housing
- **Firmware upgrade possible** by the customer in less than 90s



C.A 6424 in the field



2P mode for H stake integrity checking



Confirmation of correct S stake placement

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## TECHNICAL SPECIFICATIONS

- R 2P measurement range: 50 k $\Omega$
- R<sub>E</sub> 3P measurement: 2k $\Omega$  C.A 6422
- 50k $\Omega$  C.A 6424
  
- One-shot or permanent R<sub>E</sub> 3P measurement mode
- Automatic measurement frequency 128Hz/256Hz
- Hazardous voltage detection
- Noise voltage detection
- RH High alarm
- Voltage measurement up to 600V C.A 6424
- RH measurement C.A 6424
  
- Lead null up to 5 $\Omega$  in R 2P mode C.A 6424
- Current measurement 0.5mA to 60A via optional G72 clamp C.A 6424
- Power supply : C.A 6422  
6 x LR6 batteries
- 6 x NiMH rechargeable batteries C.A 6424
  
- Rechargeable via mains, USB or vehicle cigar lighter outlet C.A 6424
  
- Battery life span: > 2000 R<sub>E</sub> 3P C.A 6422  
> 1500 R<sub>E</sub> 3P C.A 6424
  
- Auto Power Off: deactivatable C.A 6424
  
- Standards : IEC 61010-2-30 / 600V CAT IV, IEC 61557-1 & IEC 61557-5, IP65 / IK04
- Dimensions & weight: 223 x 126 x 70mm, 1kg

## ORDERING INFORMATION

CA 6422..... P01127012

Delivered in a cardboard box with:

- 6 x LR6 1.5V batteries
- 1 x multilingual Quick Start Guide 16 L
- 1 x multilingual Safety sheet
- 1 test report with measurements
- Users' guides to be downloaded from our web site



CA 6424 ..... P01127014

Delivered in a carrying bag containing:

- 6 x NiMH rechargeable batteries
- 1 x USB power adapter, 5V & 2A + power supply cord
- 1 x multilingual quick start guide 16 L
- 1 x multilingual safety sheet
- 1 x battery information sheet
- 1 x test report with measurements
- Users' guides to be downloaded from our web site



## Accessories & Replacement parts

A : accessory / R : Replacement parts		C.A 6422	C.A 6424
Carrying bag	P01298006	A	R
4 points Hands-free strap	HX0302	A	A
Hand strap	HX0122	A	A
15m basic earth kit (B/G/R)	P01102017	A	A
50m earth kit	P01102021	A	A
Current clamp G72	P01120872	-	A
LR6 1.5 V battery x 1	P01296033	R	-
LR6 NiMH batteries x 4	HX0051B	-	R
USB charger (cable included)	P01102186	-	R



P01102017



P01102021



P01120872



P01102186



HX0122



HX0302