

*For electrical engineers,
a friendly
but uncompromising device*

C.A 6421

EARTH TESTER

Analog earth tester

- Earth testing according to IEC 364, NF C 15-100, VDE 0413 and BS 7671 standards
- A device designed for all field applications and all weather conditions: field watertight box, robust galvanometer
- Measurements validated through a self-diagnostic
- Designed in compliance with IEC, VDE, GS, UL and CSA standards



Shipped with a comprehensive
technical booklet:
«Ground Resistance Measurement»

Self-contained and watertight, the C.A 6421 is an on-site measuring device both light and simple to use, actually designed for field applications. Using the conventional rod-based methods, the C.A 6421 helps you measure ground connection resistances. All that is performed in the friendliest and safest test conditions.

A WELL-DESIGNED AND CONVENIENT TOOL

You connect the rods to the device using three color-coded terminals which make connections easier. A captive bar attached to the H terminal helps you match this device to «2-wire» junction resistance measurements.

The rods and cords are supplied as accessories, in two kits corresponding to two different measurement methods.

MEASUREMENT AND ERROR DIAGNOSIS

Once the rods have been installed and connected, measurement is quickly performed. Simply press the push-button to start the device. Resistance values are displayed directly on the large galvanometer very easy to read. Three lights indicate any defect or interference liable to impair measurements and an indicator reports low battery condition.

VERY SAFE TO USE

Designed in accordance with the IEC 1010-1 and VDE 0413 standards, the C.A 6423 is very safe to use. It is well matched to severe environments and may be used in any weather condition.

TECHNICAL SPECIFICATIONS

MEASUREMENT CHARACTERISTICS

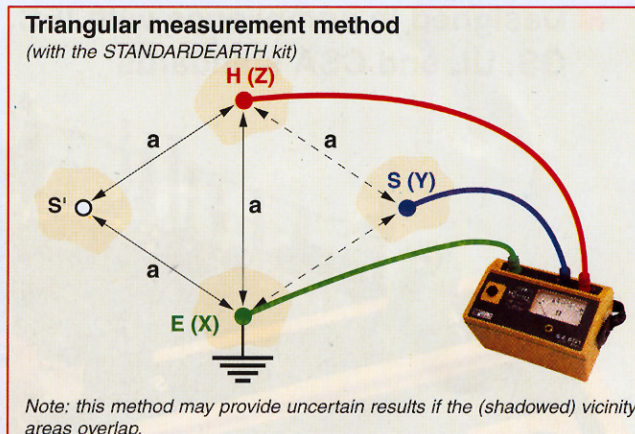
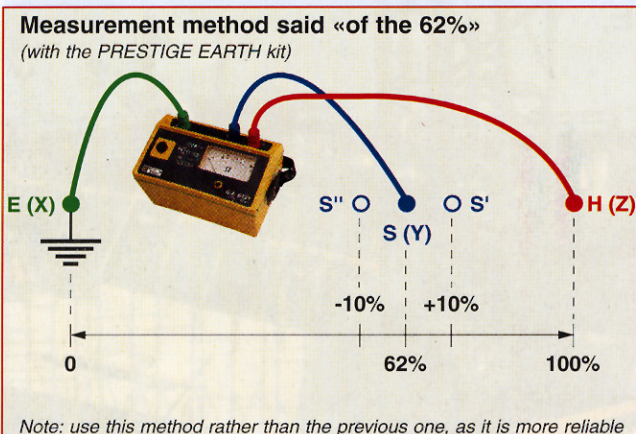
- Measurement from .5 to 1000 Ω , 5% accuracy $\pm .1 \Omega$
- Galvanometer: mobile frame class 1.5, logarithmic scale
- Measurement frequency: 128 Hz
- Voltage at no-load condition: -10...55°C / 20...90% RH
- Response time: 4 to 8 s depending on the measurement results

OTHER CHARACTERISTICS

- Powered by 8 alcalin R6 1.5 V batteries
- Average off-line performance of 1700 measurements of 15 s each, under permanent control
- Fuse protection (HPC fuse)
- Watertight IP 54 box
- Size (L x l x h): 238 x 136 x 150 mm
- Weight: about 1,3 kg

COMPLIANCE TO STANDARDS

- Electric safety: dual insulation () according to IEC 1010
- EMC: EN 50081-1, EN 50082-1



TO ORDER

- **C.A 6421 EARTH TESTER** P/N P01.1230.11
Shipped with batteries, transportation belt and instructions for use.

Accessories:

- **PRESTIGE EARTH Kit** P/N P01.1018.24
For measurements according to the «62%» method.
Half-rigid bag including 2 T-rods, 100 m red cord, 60 m blue cord and 10 m green cord on rollers, and a mallet.

- **STANDARD EARTH Kit** P/N P01.1018.22
For measurements according to the triangular method.
Soft bag including 2 straight rods, 2 wrenches to pull the rods off the ground, 30 m red cord, 30 m blue cord on rollers, 3 m green cord and a mallet.

- **Transportation bag** P/N P01.2980.06

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