

Earth Clamp Meter

Useful data can be saved on Android devices via Bluetooth communication



TRUERMS

Technical Datasheet



K4202

The K4202 measures earth resistance from 0.05 to 1500Ω and can be measured without the auxiliary earth spikes in multi-earthing systems. True RMS leakage or phase current readings from 0.1mA to 30.0A provides vital additional information in earthing networks. The filter function offers increased immunity to electrical noise and a noise mark appears in excessively high noisy environments.

The K4202 stores up to 100 measurements and real time measurements can be transferred, shown and saved on an Android device using Bluetooth communication. Saved data includes measurement, GPS location, date and time.



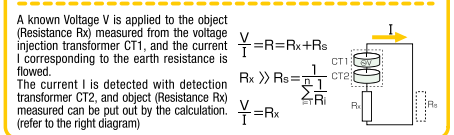
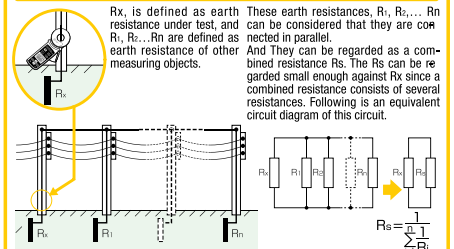
Specifications

| FUNCTION | RANGE |
|------------------------|--|
| Earth resistance | : 1500Ω |
| Auto range | |
| Ac current (50Hz/60Hz) | : 30A |
| Auto range | |
| Operating indication | : Earth resistance function: Constant voltage injection Current detection (Frequency: Approx. 2400Hz) Dual Integration AC current function: Successive approximation |
| Over-range indication | : "OL" is displayed |
| Response time | : Approx. 7 seconds (Earth resistance) Approx. 2 seconds (AC current) |
| Sample rate | : Approx. 1 time per second |
| Power source | : LR6/R6 (AA) (1.5V) x 4 |
| Current consumption | : Approx. 90mA (max. 140mA) |
| Measurement time | : Approx 21 hrs (LR6) Approx 5 hrs (R6) |
| Applicable standards | : IEC 61010-1 CAT.IV 300V Pollution degree 2 IEC 61010-2-032, IEC 61326-2-2 (EMC) |
| Withstand voltage | : AC 5320Vrms/5 seconds |
| Conductor size | : Approx. φ32mm |
| Dimensions | : 246 (L)x120 (W)x54 (D) mm |
| Weight | : Approx. 780g (including batteries) |

Features

- Easy Earth / Ground resistance measurement
- True RMS readings
- Jaw Ø32mm
- Earth / Ground Resistance 0.05Ω to 1500Ω resolution
- AC A 0.1mA to 30A Resolution
- Noise check function
- 100 Data storage points
- Bluetooth Function

Why earth measurements can be found by only clamping it?



Recorded data can be transferred (up to 100 measurements)

Measured data with time and location info can be sent by E-mail

GPS data collection may be lost since the GPS signal differs depending on the location of satellites. To access GPS data and send emails, an Internet connection is required. Communication charges may be incurred separately for using these functions.

Comparator function informs when the measured value is lower/higher than the preset value

Beep! Beep!

Various useful functions are available on Android devices using Bluetooth communication



Standard Accessories

K9167 Hard plastic carrying case, K8304 Resistors for operation check, 4 x LR6 (AA) batteries & Instruction manual.

Software: Free Android software "KEW smart 4202" is available on "Google Play Store" Supporting Android V2.2-4.0 WVGA (800 x 480) resolution or higher.

