

EARTH CLAMP TESTERS

MODEL 4200 / KEW 4202



photo : 4202



	4200	4202
Earth resistance Auto range	20.00/200.0/1500Ω ±1.5%±0.05Ω(0.00 - 20.99Ω)* ±2%±0.5Ω(16.0 - 99.9Ω) ±3%±2Ω(100.0 - 209.9Ω) ±5%±5Ω(160 - 399Ω) ±10%±10Ω(400 - 599Ω) Values are displayed, but accuracy isn't guaranteed(600 - 1580Ω)	
AC current (50Hz/60Hz) Auto range	100.0/1000mA/10.00/30.0A ±2%±0.7mA(0.0 - 104.9mA) ±2%(80mA - 31.5A)	
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 when input exceeds the upper limit of a measuring range	
Response time	Approx. 7 seconds (Earth resistance) Approx. 2 seconds (AC current)	
Sample rate	Approx. 1 times per second	
Communication Interface	—	Bluetooth Ver2.1 + EDR Class2
Power source	LR6/R6(AA)(1.5V) × 4	
Current consumption	Approx. 50mA (max.100mA)	Approx. 50mA (max.100mA)
Measurement time	Approx.12 hours (when R6 is used) Approx.24 hours (when LR6 is used)	Approx.5 hours (when R6 is used) Approx.21 hours (when LR6 is used)
Auto power-off	Turns power off about 10 minutes after the last button operation.	
Applicable Standards	IEC 61010-1 CAT IV 300V Pollution degree2 IEC 61010-2-032, IEC 61326 (EMC)	
Conductor size	Approx. φ32mm	
Dimension	246(L) × 120(W) × 54(D)mm	
Weight	Approx. 780g (including batteries)	
Accessories	R6(AA) × 4, Instruction manual 8304 (Resistor for operation check) 9166 (Carrying case[Hard])	LR6(AA) × 4, Instruction manual 8304 (Resistor for operation check) 9167 (Carrying case[Hard])

*Crest factor ≤ 2.5 (50Hz/60Hz, peak value shall not exceed 60A)

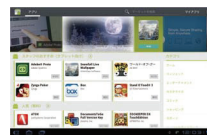
*4 counts or less are corrected to 0.

Note: A single earthing can not be measured. (Only for Multiple Earthing system)

- The earth resistance from 0.05 to 1500Ω 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
- Filter function offers increased immunity to electrical noise and a Noise mark appears in excessively high noisy environments
- Memory function up to 100 data
- Bluetooth communication (4202 only)

Various useful functions are available on Android devices using Bluetooth communication(4202 only)

Free Android software "KEW Smart 4202" is available on download site



Download



KEW Smart 4202

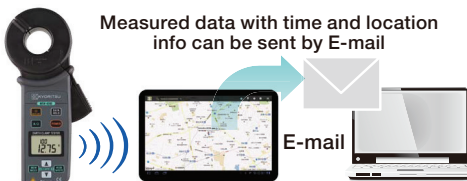
※Communication charges may be incurred separately to download application

Recorded data can be transferred (up to 100 measurements)



Measurement results

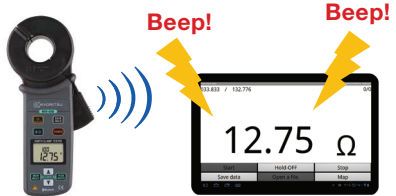
Measured data with time and location info can be sent by E-mail



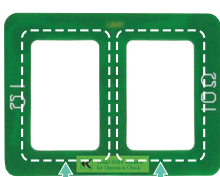
E-mail

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



Accessories



1Ω loop 10Ω loop

MODEL 8304

Resistor for operation check



MODEL 9167

Carrying case[Hard]



※Available on the Android devices equipped with Bluetooth/ GPS/ Data communication function.

Max communication distance :10m

Bluetooth is a registered trademark of the Bluetooth SIG, Inc.

Android is a registered trademark of the Google Inc.

Earth Clamp Line up

	4200	4202
Comon functions	Earth resistance, AC current, Back light function, Data hold function, Auto power off, Memory function	
Individual functions	—	Bluetooth communication