

EARTH CLAMP TESTER KEW 4202



Earth/GroundresistanceandLeakagecurrent measurement/functions

- The earth resistance from 0.05 to 1200 Ω 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

Varioususeful Kunationsareavailableon Android devices using Blue tooth community from

- Real time measurements can be transferred, shown and saved on Android device (up to 100 measurements)
- Saved data includes measurement, GPS location and date & time Easy to check on map "When" and "Where" the measurement was made
- Comparator function on Android device informs when the measured value is lower/higher than the preset value

KEW 4202 Specifications

Function	Range	Resolution	Measuring ranges	Accuracy	
Earth resistance Auto range	20Ω	0.01Ω [*]	0.00~20.99Ω	±1.5%±0.05Ω	
	0000	0.1Ω	16.0~99.9Ω	±2%±0.5Ω	
	200Ω		100.0~209.9Ω	±3%±2Ω	
			160~399Ω	±5%±5Ω	
	1200Ω	1Ω	400~599Ω	±10%±10Ω	
		10Ω	600~1260Ω	_	
AC current (50Hz/60Hz) Auto range	100mA	0.1mA	0.0~104.9mA	±2%±0.7mA	
	1000mA	1mA	80~-1049mA	±2%	
	10A	0.01A	0.80~10.49A		
	30A	0.1A	8.0~31.5A		
		Current detection (Frequency : Approx. 2400Hz) Dual Integration AC current function : Successive approximation			
Overrange 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				
Power source	LR6/ R6 (AA)(1.5V) ×4				
Current consumption	Approx. 90mA (max. 140mA)				
Measurement time	Approx. 21 hours (when LR6 is used) Approx. 5 hours (when R6 is used)				
Auto poweroff	Turns power	Turns power off about 10 minutes after the last button operation			
Applicable standards	IEC 61010-1 IEC 61010-2-	IEC 61010-1 CAT.IV 300V Pollution degree 2 IEC 61010-2-032, IEC 61326-2-2(EMC)			
Withstand voltage		AC 5320Vrms/5 seconds Between the Transformer jaws fitted parts and case enclosure (except for jaws)			
Conductor size	Approx. Ø32r	Approx. φ32mm			
Dimension	246 (L)×120	246 (L)×120 (W)×54 (D)mm			
Weight	Approx. 780g	Approx. 780g (including batteries)			
Included Accessories		LR6(AA) × 4, Instruction manual, 8304 (Resistors for operation check), 9167 (Carrying case [Hard])			

● Crest factor ≤ 3 (50Hz/60Hz, peak value shall not exceed 60A) **4 counts or less are corrected to 0.

Free Andoroid software "KEW Smart 4202" is available on download site Image: State of the state

Resistors for operation check

Earth Clamp lineup

	KEW4202	MUDEL4200	
Common functions	Earth resisitance, AC current, Back light function, Data hold fuction, Auto power off, Memory function		
Individual function	Bluetooth connection	_	

[Hard]



Measurement Results



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.

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



*Available on the Android devices equipped with Bluetooth/ GPS/ Data communication function Supporting Android ver. 2.2 - 3.2 Max communication distance:10m

External communication method : Bluetooth Ver2.1+EDR Class2 Bluetooth is a registered trademark of the Bluetooth SIG, Inc. Android is a registered trademark of the Google SIG, Inc.



Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.



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