

KEW4200

True RMS Earth Resistance Clamp Meter



PRODUCT DATA SHEET

KEW4200

TRUE RMS EARTH RESISTANCE CLAMP TESTER

- True RMS for highly accurate readings
- Measures earth resistance without auxiliary earth spikes
- Measures earth resistance from 0.05 to 1200Ω
- Noise check function
- Memory function saves up to 100 measurements
- Data hold memory function
- Buzzer function
- Back light
- Includes hard case
- Includes resistor for operation check
- Complies to IEC61010-1 CAT. IV 300V pollution degree 2

ACCESSORIES

- Resistor for operation check
- Batteries
- Hard carry case
- Instruction Manual
- Certificate of Conformity

OPTIONAL

- Calibration Certificate

SPECIFICATIONS

Function	Range	Resolution	Measuring Range	Accuracy
Earth resistance	20Ω	0.01Ω*	0.00 ~ 20.00(Ω)	±1.5% ±0.05 Ω
Auto range	200Ω	0.1(Ω)	16.0 ~ 99.9(Ω) 100.0 ~ 209.9(Ω)	±2% ±0.05 Ω ±3% ±2 Ω
	1200Ω	1(Ω)	160 ~ 399(Ω) 400 ~ 599(Ω)	±5% ±5 Ω ±10% ±10 Ω
		10(Ω)	600 ~ 1260(Ω)	-
AC current	100mA	0.1(mA)	0.0 ~ 104.9(mA)	±2% ±0.7 Ω
[50Hz/60Hz]	1000mA	1(mA)	90 ~ 1049(mA)	
Auto range	10A	0.01(A)	0.80 ~ 10.49(A)	±2%
	30A	0.1(A)	8.0 ~ 31.5(A)	
Operating System	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			
Power source	DC6VL R6P (size AA manganese battery) x4 or LR6 (size AA alkaline battery) x4			
Current consumption	Approx. 50mA (max 100mA)			
Measurement time	Approx 12 hours (when R6P is used) Approx 24 hours (when LR6 is used)			
Auto power-off	Turns power off about 10 minutes after the last button operation.			
Reading Type	TRMS Ohms range uses rolling average			
Applicable Standards	IEC 61010-1: "001 (CAT.IV 300V Pollution degree 2)			
Withstand voltage	AC5320Vrms / 5 seconds Between the transformer jaws fitted parts and case enclosure (except for jaws)			
Conductor size	Approx. 32mm			
Dimensions	246(L) x 120(W) x 54(D)mm			
Weight	Approx. 780g (including batteries)			

* 4 counts or less are corrected to 0.