

EARTH RESISTANCE TESTER

Model : ET-3000

FEATURES	
* Earth Resistance and Earth Voltage measurement.	* Manual power On/Off or auto power Off within two minutes after power On.
* 3 ranges for earth resistance measurement, 19.99 ohm, 199.9 ohm, 1.999 K ohm.	* Built-in over input indication.
* 0 to 199.9 V for earth voltage measurement.	* Durable & portable housing plastic case with the front protective cover.
* 18 mm, large size LCD display, easy to read-out.	* Complete testing accessories included.
* Data hold function to freeze the display reading value.	
* LSI circuit provides high accuracy, reliability and durability.	

GENERAL SPECIFICATIONS			
Display	18 mm (0.7") LCD (Liquid Crystal Display). Max. indication 1999.	Power Supply	DC 9V, 1.5V AA (UM-3) batteries x 6 PCs. @ Alkaline or heavy duty battery.
Function	Earth Resistance & Earth Voltage measurement.	Power Consumption	<i>Earth Resistance</i> * Approx. 74 mA for stand-by condition * Approx. 84 mA for ON condition @ at 1,900 ohm on 2,000 ohm range
Response Time	4 seconds on earth resistance range approximately. 1 seconds on earth voltage range approximately.		
Input Terminals	3 terminal input (E/P/C Terminals).	Dimension	<i>Earth Voltage</i> Approx. 82 mA for stand-by condition.
Over input Indication	Indication of " 1 . ".		
Data Hold	To freeze the display reading value.	Weight	160 x 120 x 65 mm (6.3 x 4.7 x 3.3 inch)
Safety Standard	IEC1010.	Standard Accessories	Approx. 560 g (1.2 LB). Plug with alligators clips (Red, Green, Black) * Red wire with red plug AL-3KR..... 1 PC * Green wire with Green plug AL-3KG..... 1 PC * Black wire with black plug AL-3KB..... 1 PC Auxiliary Earth Spikes SP-3K.....2 PCs Carrying case (CA-3K)..... 1 PC
Overload Protection	* 200V AC for 10 seconds across 2 of the 3 terminals for Earth Resistance measurement. * 300V AC for 1 minute on Earth Voltage range.		
Insulation Resistance	More than 5 Meg ohm between the circuit and the housing case when measured with 500 DCV.		
Power Management	Manual power On/Off or auto power Off within 2 minutes after power On.		
Operating Temp.	0 to 50 °C (32 to 122 °F).		
Operating Humidity	Less than 80 % R.H.		

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)			
Function	Range	Resolution	Accuracy
Earth Resistance	20 ohm	0.01 ohm	± (2% rdg + 0.1 ohm) @ 0 to 19.99 ohm ± (2% rdg + 3 d) @ above 20 ohm.
	200 ohm	0.1 ohm	
	2 K ohm	1 ohm (0.001 K ohm)	
Earth Voltage	200 ACV (50, 60 Hz)	0.1 V	± (1% rdg + 4 d)

* Appearance and specifications listed in this brochure are subject to change without notice.

CAT-0209-ET3000