

V. Electrical Specification

Guarantees the accuracy environment request:

Temperature 18°C-28°C

Relative Humidity <75%

Guarantees the accuracy period: one year.

1. Earth Resistance

Ω Range	Accuracy	Ω Resolution
0.00~6.99	$\pm (3\% \text{ dgt} + 6 \text{ Digit})$	0.01
7.0~49.9	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	0.1
50~299.5	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	0.5
300~1500	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	1

Maximal earth resistance at H-end

Rcmax=(0~100Re) and 50K Ω less value

Maximal ground resistance at S-end

Rpmax=(0~100Re) and 50K Ω less value

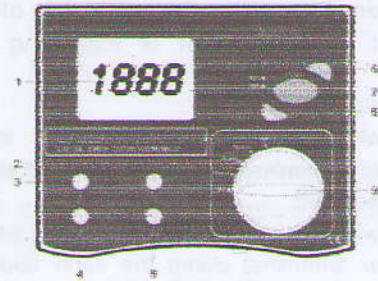
Rcmax and Rpmax additional measurement error: $\pm 3\% + 10 \text{ Digit}$

Maximum test current is approx. 2mA

2. Soil Resistivity

Ωm Range	Accuracy	(Ωm)Resolution
0.00~99.99	$\pm (3\% \text{ dgt} + 6 \text{ Digit})$	0.1
100~999.9	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	0.1
1000~9999	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	1
10k~99.9k	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	10
100k~300k	$\pm (2\% \text{ dgt} + 3 \text{ Digit})$	100

VI Front Panel



1. LCD Display

2. Test terminal 'S'

3. Test terminal 'E'

4. Test terminal 'H'

5. Test terminal 'ES'

6. Increases spikes distance button

7. Test button

8. Decreases spikes distance button

9. Function Switch

VII. Operation Instruction

7-1. Check battery voltage

When the Function Switch is on

'Rearth' or ' ρ earth', no symbol  on LCD indicates sufficient 6V battery. Symbol  on LCD, please replace batteries according to instruction.