

Total tech

Operation Instruction

Measuring surface resistance

- ◆To measure the surface resistance of an object,hold the instrument to the surface and press the “TEST”button.
- ◆The value is indicated with 12 LED's,in different colours.

The LED's indicate:

LED	RANGE	DEFINITION
Green	$<-10^5$ K	conductive
Yellow	10^0-10^{11} M	dissipative
Red	10^{12} M->	insulating

Measuring resistance to ground

- ◆Plug in the supplied grounding cord at one socket of the instrument.The associated internal electrode is disconnected hereby.
- ◆Connect the opposite end of the grounding cord to “ground”or a “groundable point”.
- ◆Hold the instrument to the surface like described above and press the button.

Other measurements

By connecting external electrodes to the instrument's sockets it's possible to measure for example “point to point”resistance ,or “volume resistance”

The SURPA-110 includes:

1. Instrument 110
2. Carring bag
3. 9V battery
4. Grounding cord
5. User's manual

Technical Data:

size:131x65x30mm(L x W x H)

weight:240g

power supply:9v battery or rechargeable battery

test range: 10^3 - 10^{12}

Test voltage:10V/100V