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New Concepts of Instruments
MULTI MULTI MEASURING INSTRUMENTS CO.,LTD.

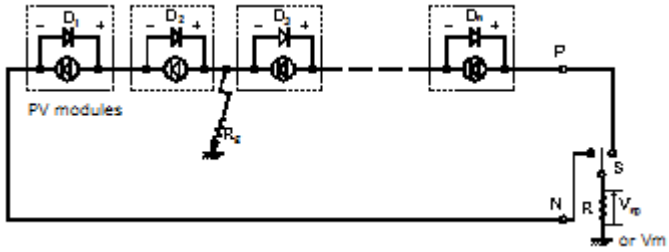
INSULATION RESISTANCE TESTER FOR DC CURRENT CIRCUIT OF PHOTOVOLTAIC SYSTEMS

Model MSEI-100C

This model can measure insulation resistance of DC current circuit in PV systems (between PV module and power conditioner) on the live line and can distinguish the deteriorated part between Power Phase, Neutral Phase, P/N Phase and or PV modules.

Model MSEI-100C

In case of insulation defect between PV modules



SPECIFICATIONS:

1. Detection Method	Measurement of DC voltage to the ground by standard resistor.
2. Measuring Function	Generated Voltage (DCV)/Insulation Resistance of P Phase/ Insulation Resistance of N Phase/Insulation Resistance of P.N Phase/ Insulation Resistance between modules
3. Measuring Range	Generation Voltage DC 0.1V~599.9V Insulation Resistance 0.01MΩ~19.99MΩ
4. Judgment Method	When the insulation resistance becomes less than 1MΩ at each phase, Red LED lamp will lighten at the point of insulation defect. In case of no problem for insulation resistance, Green Lamp will lighten.

MEASURING METHOD

1. Connect the lead wires with Power Phase, Neutral Phase and Ground according to the circuit to be measured.
2. Memorize the internal standard resistance value.
3. Measure the generated voltage between Power and Neutral Phase.
4. Measure the insulation resistance of Power Phase.
5. Measure the insulation resistance of Neutral Phase.