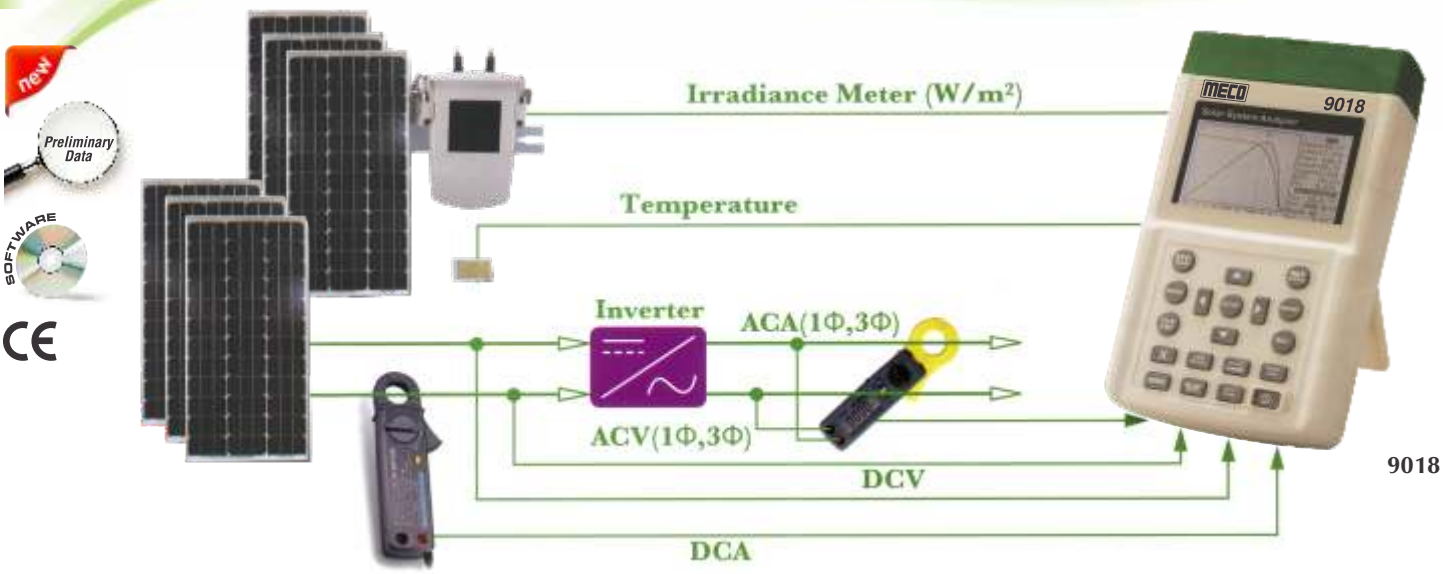


9018

Solar System with Panels and Inverter

Features

- I-V Curve Test for Solar System
- Max. Solar System Power (Pmax) search by Auto Scan Capability : 1000V and 12A
- Max. Voltage (Vmaxp) and Max. Current (Imaxp) at Pmax
- Voltage at Open Circuit (Vopen), Current at Short Circuit (Ishort)
- Temperature Measurement of Solar Panels, Irradiance measurement of Sunlight and series resistance (Rs) calculation of Solar Panels
- Real time data logging with Built-in Calendar Clock
- Efficiency (%) Calculation of Solar Panel with Parameters Entry
- Conversion of IN Curve under OPC to Data under Standard Test Condition (STC) based upon IEC Standard
- Provide Operating Condition (OPC) and Standard Test Condition (STC) Test Reports
- With Optional Power Clamp (Solar 15 and Solar 21) Measure / Record DC Power Output of Solar System and AC Power Output of Inverter (1 Phase or Balanced 3 Phase); Calculate efficiency of DC to AC Power coversion and Max. Power
- Rechargeable Lithium Battery, Low Battery Warning
- USB Cable for PC

Accessories

Irradiance Meter, Thermo Meter, Rechargeable Lithium Battery, AC Adapter, Operation Manual, Software CD & Manual
USB Cable, Kelvin Clips, Solar Connector, Extension Cable
Optional Accessories : Power Clamp, Solar 15 and Solar 21

Electrical Specifications (23°C ± 5°C, Four-Wire Measurement, Maximum Power Limit is 12000W)

DC Voltage Measurement :

Range	Resolution	Accuracy
0 ~ 1000V	0.001 V / 0.1 V / 1 V	±1% ±(1% of Vopen ± 0.1 V)

Vopen : open circuit voltage of solar system

DC Current Measurement :

Range	Resolution	Accuracy
0.1 ~ 12A	1mA / 10mA	± 1% ±(1% of Ishort ±9mA)

Ishort : short circuit current of solar cell or module

DC Current Simulation :

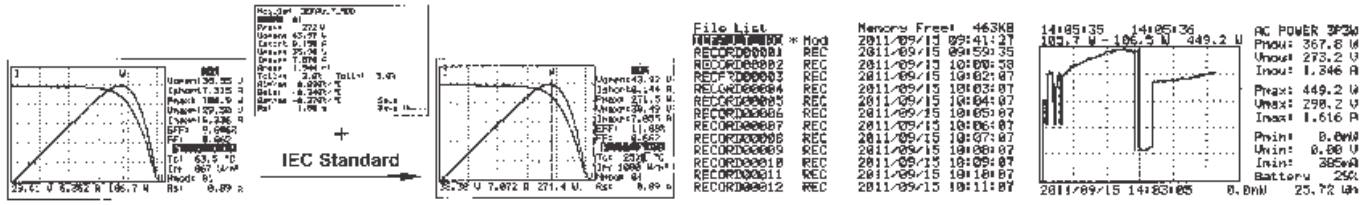
Range	Resolution	Accuracy
0.1 ~ 12A	1mA / 10mA	±1% ±9mA

Irradiance Measurement :

Range	Resolution	Accuracy
20 ~ 2000W/m²	1W/m²	±3% ±20dgts

Temperature Measurement :

Range	Resolution	Accuracy
-20 ~ 105°C	0.1°C	±1% ±1°C



Operating Condition | Module Data | Standard Test Condition | File System | AC Power