

Spectroradiometer

Spectral Range	400-1050nm, 280-1100nm, 400-1700nm
Spectral Resolution	2nm
Spectral Interval	0.5nm
Spectral Accuracy	< 0.5nm
Intrinsic Repeatability	0.5%
Cosine Receptor Accuracy	±3% from 0 - 90°, all wavelengths
Exposure Time	10-60000ms
Output Unit	W/m ²
Software	Windows Me, 98, 2000, XP comparable. Automatic calculation of spectral match accuracy (IEC60904-9)

Reference Cell

Calibration Laboratory	The Fraunhofer Institute for Solar Energy Systems (ISE)
Measurement Condition	AM1.5G, 25°C, 1000W/m ²
Material	Monocrystalline silicon
Area	20mm * 20mm
Dimension	100mm * 70mm * 10mm
Solar Cell Connection	4 wire
Protective Window	Bk7 glass
Temperature Sensor	Pt100 (2 wire connection)
Parameters	Isc, Voc, Impp, Vmpp, Pmpp, Fill Factor, Efficiency, External Quantum Efficiency

Power Source Meter

Feature	Portable
Function	IV curve, Isc, Ivmax, Voc, Filling Factor, and power convert efficiency.
Battery Type	1.2V AA rechargeable battery x 8 (2700m Ah)
AC Adaptor	AC 110V or 220V input, DC 12V/3A output

