

IV-TRACER

Affordable, high-precision for standard electrochemical techniques

OVERVIEW

I-V tracer is an ideal solution for current-voltage measurement of solar cell devices both in dark and under solar simulated light. Some important parameters such as short circuit current (J_{sc}), open circuit voltage (V_{oc}) and fill factor (ff) can be obtained using I-V curve. The applied voltage range is ± 4 V and the scan rate is adjustable.



SPECIFICATIONS

IV-Tracer Technical Specifications	
Model	IV-201
Electrode connections	2
Potential range	± 4 V
Potential resolution	1 mV
Maximum current	1 A
Current range	Three manually set ranges: 0.5, 5 and 50 mA
Current resolution	Min. resolution: 1 nA
Input voltage	100-240 V AC (50-60 Hz)
Computer interface	USB 2.0
Control software	IVS-201.0.0.1
Software requirement	OS: Windows 10
Methods	Linear sweep voltammetry (IV) and Cyclic voltammetry (CV)