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 (Jsc), open circuit voltage (Voc) and fill factor (ff) can be obtained using I-V curve. The applied voltage range is 5± V and the scan rate is adjustable.

SPECIFICATIONS

IV-Tracer Techincal Specifications		
Model	IV-28	
Electrode connections	2, 3 & 4	
Potential range (adjustable)	±5 V / ± 1 V	
Potential resolution	%0.025 of Scale	
Voltage set resolution	%0.025	
Maximum current	1A	
Current range	Course current range	100 nA-1A (8 steps)
	Fine current range	Full scale (FS)/2, FS/4, FS/8
Current resolution	0.0005% (of current range) Min. resolution: 50 pA	
Sample rate	1000 S s^{-1}	
Input impedance	100 MOhm	
Input voltage	100-240 V AC (50-60 Hz)	
Computer interface	USB	
Control software	LMS-24	
Software requirement	OS: Windows 10	