

## 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  $5 \pm V$  and the scan rate is adjustable.



## SPECIFICATIONS

IV-Tracer Technical Specifications		
Model	IV-28	
Electrode connections	2, 3 & 4	
Potential range (adjustable)	$\pm 5 V / \pm 1 V$	
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 <sup>-1</sup>	
Input impedance	100 MOhm	
Input voltage	100-240 V AC (50-60 Hz)	
Computer interface	USB	
Control software	LMS-24	
Software requirement	OS: Windows 7 or later	