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Product Name :
Solar Cell Measurements Unit

Product Code :
LBNY-0005-125000133



Description :

Lighting unit with adjustable illuminance
Backing for solar cells with peltier module for regulating temperature
Trainer for solar cell measurements
Four monocrystalline silicon solar cells
Function for automated measuring of characteristic curves
Reference cell as illuminance sensor
Patch panel with bypass diodes and adjustable load resistance for selectable types of connection with individual cells.

Technical Specification :

Cell type: monocrystalline
Cell size: 125x125mm
Typical characteristics of a cell:
Max. Output: 2,45w
Fill factor: 76%
Open-circuit voltage: approx. 0,6v
Short-circuit current: approx. 5,4a
Voltage at max. Output: approx. 0,5v
Current at max. Output: approx. 4,8a
Lighting unit: 4x 100W
Peltier module: 20°C...60°C.



Laboratory Instrument India