

Technical Specification Cell tester 5V; 50mA, 8 channels

Particulars		Performance Range and Limits	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
Voltage	Minimum discharge voltage	50mV (or lower)		
	Maximum charging voltage	5V		
	Accuracy	± 0.1% of FS (or better)		
	Resolution	16 bit (or higher)		
Current	Maximum output current	50mA (or higher)		
	Minimum output current	100 µA (or lower)		
	Accuracy	± 0.1% of FS (or better)		
Charge/Discharge modes		CC, CV, CCCV, CP, CR, Pulse		
Protection features		Data protection when power is abruptly turned off. User defined Voltage, current and temperature-based protections. Reverse polarity and high voltage protection.		
Data logging		Data point every 1 sec (or better)		
Connectors/ Clamps		Connector for coin cell - 8 nos. Ring type/ alligator type Connectors - 8 nos.		
No of channels		8		
Others		Software to set profiles and collect data		
Quality and Inspection Criteria				
Inspection		Pre-Inspection for agreed charge/discharge/voltage/capacity test must be done at site in IIT Madras.		
Life expectancy		15 yrs.		
Warranty		1 Years Warranty and one-year extended warranty should be Quoted.		
Machine Uptime		>98%		

AMC	AMC after warranty period to be quoted during bidding process separately. (It is mandatory for the vendor to Quote for AMC)		
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(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified)