



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Ref. PR No.: 1000048979

Rfx. No.: 6100002413

Item Description: Semiconductor Curve Tracer

Sr. No	Item Description	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
	Parameters	Range		
1	HV unit			
	Max peak voltage(Max. current)	5 kV/8mA		
	Measured voltage range Full scale)	50V~5kV		
	Measured current range	20 mA~ 50μA		
	Min. measured current resolution	250 fA		
	Waveform	DC · PULSE		
	HC Unit			
	Max. peak current(Max. Voltage)	500A (50V)		
	Waveform	Pulse		
	Pulse Width	10μS~1ms		
	Polarity	+/-		
	Gate Unit			
	Max. peak voltage(Max. current)	40 V/1A		
	Measured voltage range (Full scale)	1V~50V		
	Measured current range	1A~5nA		
	Min. measured current resolution	250 fA		
	Waveform	DC · PULSE · SINE (50Hz)		
	MV Unit			
	Max. peak voltage(Max. current)	200V (2A)		
	Measured voltage range (Full scale)	200mV ~ 200V		
	Measured current range	2A ~ 5nA		
	Current measurement resolution	250fA		

	Waveform	DC • PULSE • SINE • HALF-WAVE • FULL- WAVE		
	Hysteresis measurement	Should be able to measure Vth and Igss hysteresis		
	Compatible devices	TO-220/TO-247		
	Test Fixture	For TO-220/TO-247		
	HV cables, HC cables	Included		
	Warranty	3 Years		