



Specifications

Device Capability					
	BJT	MOSFET	IGBT	Diode	Comments
Heating Conditions					
Heating Time (t_H)	1ms to 1,000 sec				
Heating Power (P_H)	200W			50W	
Heating Voltage (V_H) Heating Voltage Accuracy	5 to 20V in 0.1 V steps $\pm 1\%$ of setting				Transistors only
Heating Current (I_H) Heating Current Accuracy	0.01 to 1.00A in 0.001A steps 0.1 to 10.0 A in 0.01 A steps $\pm 1\%$ of setting				
Measurement Conditions					
Temperature Sensitive Parameter	V_{BE}	V_{SD}	V_{GS}	V_F	
Measurement Types	Absolute (V_M) Differential (ΔV_M)				
Measurement Current	1 to 100mA 10 to 500mA (diodes only)				
Measurement Delay Time	5 to 100 μ s in 5 μ s steps				
K Factor	0 to 0.999 $^{\circ}$ C/mV in 0.001 $^{\circ}$ C/mV steps				
Thermocouple Measurement					
Number of Thermocouple channels	4				
Thermocouple type	T				Other types optional
Resolution	0.1 $^{\circ}$ C				
Accuracy	$\pm 1\%$ of reading ± 3 LSD				
Measurement Data Available					
TSP Voltage @ start of test (V_M)	5.000 V (max)				
TSP Voltage Change (ΔV_M)	399.9 mV (max)				
Junction Temp Change (ΔT_J)	199.9 $^{\circ}$ C (max)				
Heating Power (P_H)	200.0W (max)		50.0W (max)		
Thermal Resistance (θ_{JX})	199.9 $^{\circ}$ C/W (max)				
Thermal Resistance Corrected (θ'_{JX})	199.9 $^{\circ}$ C/W (max)				
Thermocouple Temp (T_T)	199.9 $^{\circ}$ C (max)				For each
Comparison Unit (CU)				9999mV/V	Diodes only
Heating Voltage (V_H)				5.000V (max)	Diodes only

System supplied with:

- Calibration/Verification Fixtures
- LCD video display
- Mouse & Keyboard
- Inkjet printer
- Operating & Service Manual