

## Model 4097A Cable & Connector Testing System Performance Specifications:

### STANDARD

### OPTIONS

#### CONTINUITY / CONTACT RESISTANCE

Up to 160 Wires (320 Terminations); Resistance Measurements: 0.01 Ohms to 4000 Ohm

Contact Resistance: 0.004 – 16 Ohms

#### INSULATION RESISTANCE

5 - 100,000 MΩ, 2%  
0 - 1500 VDC Test Voltage, 0.1%  
0.1 - 650 Second Programmable Dwell

100 G - 500 G Ω, 5%  
0 - 2500VDC Test Voltage, 0.1%

#### DIELECTRIC WITHSTANDING VOLTAGE

##### DC:

0 - 1500 VDC Test Voltage, 0.1%  
0 - 1000uA Fail Current, 2%  
0.1 - 650 Second Programmable Dwell

0 - 2500 VDC Test Voltage, 0.1%

##### AC:

0 - 1800 VAC, 60Hz, 2%  
0 - 2000 uA Fail Current, 2%  
0.1 - 650 Second Programmable Dwell  
Ramp Options: 500 VAC/sec or 200 VAC/cycle

0 - 2300 VAC Test Voltage, 2%

#### CAPACITANCE

1pF - 1uF: 1% typical; 2% or 2pF Max whichever is greater at 1KHz  
Test Capacitance at DC Bias Voltages 0-750VDC

#### DISSIPATION FACTOR:

0 - 100%, 0.25%

#### SHORTED PIN TEST

Verify Intentionally Shorted Pins either to ground or to another pin

#### ZENER DIODE / MOV

0 - 750 VDC Test Voltage, Bipolar  
1 - 10 mA test current  
4.8 - 750 VDC Breakdown Voltage, 0.5% or 0.1V, whichever is greater  
Selectable Reverse Leakage Limits  
1 nA - 10,000nA, 1uA - 1000uA

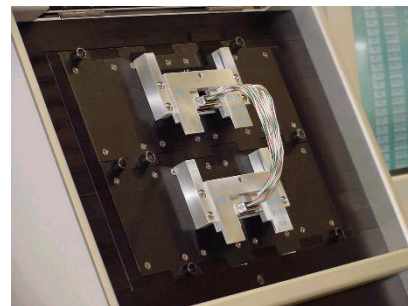
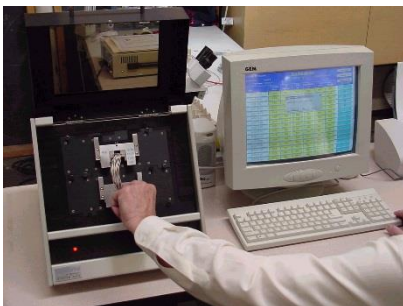
#### GROUND RING TEST

Verify Presence of Ground Ring

#### AC POWER REQUIREMENTS

105 - 125 VAC, 50/60 Hz  
350 mA AC Input Current

Europe 230 VAC, 50Hz



Ideal for 'D' Subminiature, Micro 'D' Cables, ARINC and Other Types of Cable Harnesses  
Dimensions: 14" W x 14" H x 19" D; Weight = 45 lbs. / 20.4 kg