

Data Sheet

AC Power Supplies
Models 1653A & 1655A



Model 1653A



Model 1655A

Variable Isolated AC Power Supplies

The 1653A and 1655A variable isolated AC power supplies are great for testing AC line voltage variations or any given product requiring AC power.

1653A Features

- Variable isolated 0-150 VAC
- 2 A continuous output
- Displays voltage or current readings
- Isolation transformer to eliminate shock hazard while servicing “hot chassis” equipment

1655A Features

- Variable-isolated output 0-150 VAC
- 3 A continuous, 4 A intermittent output
- Built-in soldering iron temperature control
- Expanded leakage scale
- Circuit breaker overload protection
- Displays V, A, VA, leakage

Specifications	1653A	1655A
Voltage Adjustment Range	0-150 VAC with input at 120 VAC	
Output Isolation	Leakage less than 0.1 mA (25°C, 50% RH)	
Current Range	0-2 A	0-3 A
Maximum Current (Isolated)	2 A continuous (0-130 V)	3 A continuous, 4 A intermittent (0-130 V)
Peak Current (inrush)	N/A	30 A max. (inrush limited to one cycle at 30 A)
Voltage/Current Sensing	Sine wave average, calibrated in RMS	
Meter Scale	0-140 VAC 0-2 VAC	0-240 VAC 0-480 VAC (voltage set at 120)
Leakage	N/A	0 - 5000 μ A (expanded in 100 - 500 μ A portion, compressed to 5mA full scale)
Metering	3 1/2" overrange protected	4 1/2 multicolor scales, overrange protected
Meter Accuracy	$\pm$ 5% of full scale	$\pm$ 5% of full scale (volts and current) $\pm$ 5% at 500 μ A (leakage)
Soldering Iron Temp. Control	N/A	70 - 99% of power line (100 W max.)
AC Input	120 VAC $\pm$ 10%, 60 Hz*	
Dimensions (H x W x D)	5.5" x 6.5" x 10.5" (140 x 165 x 267 mm)	10.5" x 5.7" x 12" (267 x 145 x 305 mm)
Weight	12 lbs (5.5 kg)	22 lbs (10 kg)
One-Year Warranty		
Supplied Accessories	Instruction manual & power cord	

*For 220V operation, order model number 1653A-220V or 1655A-220V.