

# AC Power Supplies



1655A



TR-110



1604A



1653A

## Model 1653A

Variable Isolated AC Power Supply. Model 1653A is a compact, rugged unit.

- 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

## Model 1655A

Variable Isolated AC Power Supply. Model 1655A displays V, A, VA and leakage.

- Variable-isolated output—0-150VAC
- 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

## Model 1604A

Isolation Transformer—Use Model 1604A for safe testing of transformerless equipment.

- Leakage: less than 0.1 mA
- Output Voltage: 117-124 V nominal (120 V input)
- Output Current: 1.25 A continuous

## Specifications

	1653A	1655A
Voltage Adjustment Range	0-150 VAC with input at 120VAC	
Output Isolation	Leakage less than 0.1 mA (25°C, 50% RH)	
Current Range	0 - 2A	0 - 3A
Maximum Current (Isolated)	2A continuous (0-130V)	3A continuous, 4A intermittent (0-130V)
Peak Current (inrush)	N/A	30A max. (inrush limited to one cycle at 30A)
Voltage/Current Sensing	Sine wave average, calibrated in RMS	
Meter Scale	0-140 VAC 0-2 VAC	0 - 240VAC 0- 480VAC (voltage set at 120)
Leakage		0 - 5000 $\mu$ A (expanded in 100 - 500 $\mu$ 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 $\mu$ A (leakage)
Soldering Iron Temp. Control		70 - 99% of power line (100W max.)
Power Requirements	120 VAC $\pm$ 10%, 60 Hz 300VA	120 VAC $\pm$ 10%, 60 Hz 600VA at Maximum Output
Dimensions (HxWxD)	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**

## Specifications

	model
	<b>TR-110</b>
Input Requirements	105-130 VAC, 60 Hz.
OUTPUT POWER RATING	
Direct	500 VA continuous. Isolated: 350 VA continuous, 500 VA intermittent.
CONNECTIONS	
Direct	Duplex outlet (3-conductor).
Isolated	Duplex outlet (3-conductor).
GENERAL	
Regulation	No load (350 VA), voltage change <4%.
Isolation	Complies—UL standard 1012, May 1977.
Dimensions (HxWxD)	5.1 x 5.5 x 8" (130 x 140 x 200 mm)
Weight	11 lbs. (5 kg)

\*Output voltages rated w/input at 120 volts.

**One Year Warranty**

## Model TR-110

Dual Output Isolation - Use Model TR-110 for safe testing of transformerless equipment.

- Direct: Convenience duplex outlet provides line voltage for auxiliary equipment up to 500 VA
- Isolated: Two 3-position slide switches provide 9 combinations of voltage selection from 90 to 140 V\*, up to 350 VA continuous or 500 VA intermittent. Self-contained power switch with pilot lamp.

## Specifications

	model
	<b>1604A</b>
Isolation	leakage less than 0.1 mA
Output Voltage	117-124 V nominal (120 V input)
Output Current	1.25 A continuous (2 A intermittent)
Power Requirements	120 VAC, 60 Hz, 175W
Operating Temperature	32° to 104° F (0° to +40°C)
Dimensions (HxWxD)	4 x 4 x 5.5" (100 x 100 x 140 mm)
Weight	6 lbs. (2.7 kg.)

**One Year Warranty**