

American Beauty® Resistance Soldering Systems



Information and Instruction Sheet

Manufacturers of American Beauty® Quality Soldering Tools.

Topic: Model 105B2 Power Unit. 0-1100 Watts Rated Output.

Description: Multiple output Power Unit, with isolated transformer. Produces a low-voltage, high-amperage, AC current.

Specifications: Input 110-120 VAC 50/60 Hz, with 10 amp circuit protection. Available in 220-240 VAC Model
Output voltage: 1.2 - 5.8 VAC, selectable through multi-tapped primary switch and 3 secondary taps.
Output wattage: 0 - 1100 Watts maximum.

Duty cycle: 50% Maximum. Do not exceed.

Output Selection: Through multi-tapped primary switch and 3 secondary taps, provides 23 output voltages from 1.2 to 5.8 VAC. Secondary connections accept taper pin plugs from various American Beauty® Handpieces and ground leads.

Recommended Handpieces: This American Beauty® Power Unit is specifically designed to be used with the following American Beauty® Handpieces, ground (current-return) leads and Footswitch.

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>Electrode Size</u>	<u>Maximum Watts</u>
10572*	Pencil-type Single Carbon Electrode Handpiece	1/8" diameter	250
10573*	Pencil-type Single Carbon Electrode Handpiece	3/16" diameter	325
10511*	Standard Single Carbon Electrode Handpiece	1/4" diameter	500
10552*	Pencil type Single Metal (stainless) Electrode Handpiece	.078" diameter	100
10578	Dual Metal (stainless) Electrode Handpiece	.078" diameter	225
10590	Large Dual Metal (stainless) Electrode Handpiece	.125" diameter	325
10541	Dual Metal (stainless) Electrode Tweezer Handpiece	.078" diameter	200
105127	Large Dual Metal (stainless) Electrode Tweezer Handpiece	.125" diameter	400
105158	Dual Carbon electrode Tweezer Handpiece	Carbon Blocks	250
105258	Dual Carbon electrode, Medium Tweezer Handpiece	Carbon Blocks	500
10517	Tweezer Thermal Wire-Stripper Handpiece		100
10591	V-notch Thermal Wire-Stripper Handpiece		100
10597	Large V-notch Thermal Wire-Stripper Handpiece		250
105142	Solder Reflow Tool		100
10513A	Panel Attachment (uses 1/4-20 screws to mount (supplied))		
10512	Standard ground lead (use with single electrode handpieces)		250
10512A	Standard ground lead with alligator clip (use with single electrode handpieces)		100
10519	Footswitch (recommended for use with most applications)		1,250
*	Ground lead required for current return path with these handpieces		

Applications: A very wide range of soldering applications can be accomplished using this American Beauty® Power Unit. Both prototype and high volume production jobs can be handled with the many American Beauty® Handpieces available. Refer to specific American Beauty® Handpiece User Information, Instruction Sheets for more specific details.

WARNING: THERE ARE NO USER SERVICEABLE PARTS INSIDE. DO NOT ATTEMPT TO OPEN THE POWER UNIT HOUSING FOR ANY REASON, DUE TO THE RISK OF ELECTRICAL SHOCK.

NORMAL USE OF THIS PRODUCT IS LIKELY TO EXPOSE THE USER TO SOLDERS CONTAINING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS (OR OTHER REPRODUCTIVE HARM) OR OTHER PROPOSITION 65 LISTED CHEMICALS.

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