



The Model 10502 is a standard capacity tweezer style resistance soldering system. It comes pre-assembled for your convenience.

This set is designed to provide immediate concentrated heat to create accurate, trustworthy solder joints in delicate soldering applications. Ideal for use on the smallest of components, this system is powered by a low-voltage, high amperage, AC current power supply and controlled by a footswitch.



Model 10502

Resistance heat is obtained by passing a safe, low voltage, high amperage current through a resistive alloy. As with all Resistance Soldering Handpieces, heat is generated locally to the handpiece. Current is present for only so long as power is applied to the handpiece and there is a path for the current from the power unit, through the handpiece and back to the power unit.

Replacement Parts:

- **10541** - Tweezer style handpiece
- **105A12** - Variable AC current power unit
- **10519** - Footswitch
- **10542** - Copper clad stainless steel electrodes, 5/64" diameter

Specifications:

- 250W (2.8VAC) power unit with infinitely variable output control, lighted rocker, 3 AMP circuit protection and heavy-duty aluminum case
- Durable, user-friendly hand piece with four foot (1.22m) AWG 14-2 HPN cord set
- Electrodes constructed of 1-1/2" (38.1mm) stainless steel
- Rugged, industrial footswitch with 6 foot (1.83m), three-wire cord and NEMA 5-15 P/R piggyback plug

NOTE: The power unit has been rated to operate at a 50% maximum duty cycle. Do not operate beyond this rating.

WARNING: There are no user serviceable parts inside of the power unit. Do not attempt to open the power unit housing for any reason, due to the risk of electrical shock. Elements can generate a significant amount of heat when power is applied. Use with caution to avoid burns, fire, or other potential damage. 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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