



ASE-1102

Temperature Controlled Soldering Station

FEATURES:

1. A long life Japanese made ceramic heater, which has excellent quality of insulation, provides fast heat up and fast heat recovery.
2. Electronic temperature controlled and analog display. The temperature ranges from 200°C to 450°C (392°F-842°F).
3. Ceramic heater insulation rated over 100 Mohms at 400°C / 750°F. Leakage is less than 0.4 mV. Equipment in the station connects soldering iron tip to the ground.
4. Zero voltage switching ensures low noise and greater protection on components.
5. The soldering station incorporated with a temperature control lock to avoid the unwanted temperature adjustment by the operator.
6. After removing the barrel and nut, the soldering irons of 90L series are very easy to be replaced and fit to solder larger points.
7. High quality but inexpensive price which is particularly suitable from leisure to professional.

OPERATION INSTRUCTIONS:

- Ensure working voltage matches your power supply before plugging into the station.
- Check carefully any possible damage during transportation.
- Set temperature by rotating temperature control knob on the front panel.

COMMON CAUSES OF TIP UNWETTING:

1. Tip temperature is higher than 410°C / 770°F.
2. The tip's working surface is not tinned while the iron idling.
3. Lack of flux in soldering, wicking, repairing, and touch-up operations.
4. Wiping the tip on high sulfur content, dirty or dry sponges and rags.
5. Touching with organic substance such as plastic, silicone, grease or any other suitable chemicals.
6. Impurities in solder and/or low tin content.

IMPORTANT:

Remove the tip and clean after moderate to heavy use or at least daily if on the production line. Remove any loose build up in the tip retaining assembly to prevent tip from freezing.

The soldering tips supply are iron clad copper and if used properly, they should maintain optimum life.

1. Always tin the tip before returning it to the holder, turning off the station, or storing it for long periods of time. Wipe the tip on a wet sponge prior to use.
2. Keeping the iron set at high temperature (more than 400°C / 750°F) will shorten tip life.
3. Do not use excessive pressure on the tip or rub the joint with the tip while soldering since it does not improve the heat transfer and may damage the tip.
4. Apply solder to the joint, not the tip when soldering. The flux is naturally caustic and thus will eat away the tip.
5. Never clean the tip with a file or abrasive materials.

NEW TIPS:

Following these steps will lead to optimum tip life.

1. Set temperature to minimum, then turn the main power switch to "ON" position.
2. Set temperature to 250°C / 482°F.
3. Coat the tinned surface with rosin-core solder after reaching 250°C / 482°F.
4. Set to desired temperature after allowing the unit to idle at 250°C / 482°F for 3 minutes.
5. The iron will be ready for use once it reaches the preset temperature.

SPECIFICATIONS:

AC INPUT	110-120V AC 60Hz
TEMPERATURE RANGE	200°C-450°C (392°F-842°F)
HEATING ELEMENT	CERAMIC HEATER
INSULATION RESISTANCE	OVER 100MOHMS AT 400°C / 750°F
LEAKAGE VOLTAGE	LESS THAN 0.4mV
STANDARD TIPS	90M-T-B
WEIGHT	880g / 1.95 pounds
DIMENSIONS	L170 x W120 x H105 (mm) / 6.7" x 4.7" x 4.1" (inches)