

DOSS Temperature Controlled Soldering Iron

Model: ZD99



Rating: 220-240Vac 50Hz 48W Class I

Approval No. TUV023854EA

Features

This soldering station is an ideal entry level soldering station for hobbyists.

Heater: Mica, 150°C-480°C(48W) , 150°C-520°C(58W)

Temp. Control: Rotary setting by knob

Attention

On first time use the soldering iron may produce smoke, this is just grease used in manufacturing burning off. It is normal and should only last for approx. 10 minutes. It is not harmful to the product or user.

Care of the tip

- Always keep tips coated with tin to ensure a long service life.
- Do not keep the iron at high temperature for a long time
- Never clean the tip with coarse materials
- Never cool it in water.

- Remove the tip and clean every twenty hours of use, or at least once a week, and remove any loose build up in the barrel.
- Do not use fluxes containing chloride or acid. Use only rosin or activated resin fluxes.
- Do not use any compound or anti-seize materials
- Handle the heated soldering iron with extreme care, as the high temperature of the iron can cause fires or painful burns.
- Never file the specially-plated tip.

Maintenance

- This tool must be placed on its stand when not in use.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.

Operation

- Unpack the soldering station and check all parts. Damaged parts must not be put into operation.
- Put the holding rack for the soldering iron sideways in the soldering station, wet the cleaning sponge in the sponge rack with water.
- Put the soldering iron in the holding rack
- Place the soldering station on a solid and dry surface.
- Connect the mains plug to a socket and turn on the soldering station by using the power switch (I=ON/0=OFF).When turned on, the power switch is lit
- **Always put the soldering iron on the holding rack when it is heating up or during breaks from soldering**
- **Make sure the workbench for soldering is clean**
- **Only use solder for electronics. Acidic solder can damage the soldering tip or the work piece**
- Regulate the desired temperature of the soldering iron with the adjusting knob.
- The color-coded areas are equal to following temperatures:
 Yellow $\geq 160^{\circ}\text{C}$
 Light Orange 180°C to 350°C
 Deep Orange 350°C to 450°C
 Red $\geq 550^{\circ}\text{C}$
- Lower the temperature during breaks, this saves energy and extends the durability of the soldering tip.
- Wait for about 10 minutes until the soldering tip reaches the setting temperature, test the temperature by touching the soldering tip with solder. If the solder melts away easily, you can start soldering.
- Tin the hot soldering tip with solder; wipe off excessive solder on the wet cleaning sponge.
- Heat up the to-be-soldered part with the soldering tip and add solder.
- Wait for the hot solder to cool down.
- Clean the soldering tip on the wet sponge after each soldering
- After the soldering is done, put back the soldering iron in the rack and turn off the soldering Station at the main switch.
- Do not file off the soldering tip, or it will be damaged.
- **Never touch the hot soldering tip.**
- **Let the soldering iron cool down after use.**
- **The soldering iron should not be dunked into water**
- **During breaks, the soldering iron has to be placed in the holding rack.**

Tip replacement

Note: Tip replacement or cleaning should be done only when the iron is at room temperature or below. The tip can be changed or replaced simply by unscrewing the knurled nut barrel assembly. The station must be switched off and allowed to cool before and during this operation, as damage may result if the system is left on without the tip inserted, after removing tip, remove any oxide dust that may have formed in the tip retaining area of the barrel. Be careful to avoid getting dust in your eyes. Care should be taken not to over tighten as this would damage the element.

General cleaning

The outer case of the iron or station may be cleaned with a damp cloth using small amounts of liquid detergent. Never submerge the unit in liquid or allow any liquid to enter the housing. Never use solvent to clean the case.

Warning

- The appliance is not a toy, and must be kept out of children's reach.
- Before cleaning the appliance or changing the filter, always unplug it. Unscrewing the housing is not permitted.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Note: This instruction is also available to download from the distributor's website: www.doss.com.au.