

# DURATOOL



**Model: ZD-931/89-3106**

**48W ESD Safe Digital Soldering Station**

**Please read these instructions carefully before use and retain for future reference.**

## **IMPORTANT SAFETY INFORMATION**

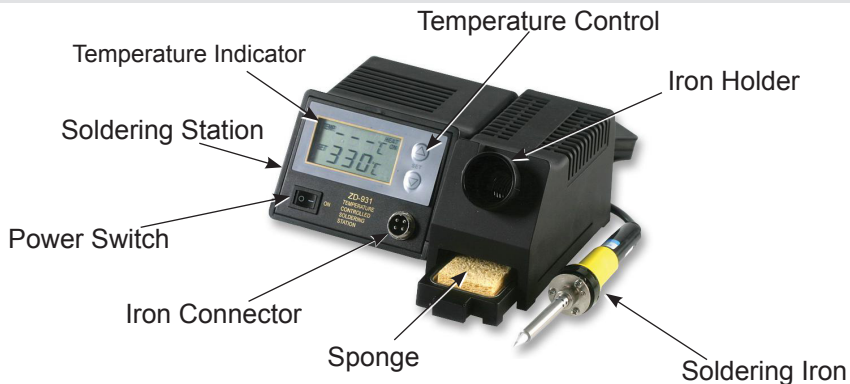
**When using electrical appliances basic safety precautions should always be followed.**

- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.
- Do not leave the soldering station unattended, while it is powered on.
- Never touch the soldering tip or the surrounding metallic parts before the soldering tip has cooled down completely.
- Do not use the product near flammable items.
- Turn the power off when this product is not in use.
- The soldering iron must be placed on its stand when not in use.
- Before storage, turn the power off and allow the product to cool down to room temperature.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not use this product for anything else other than that for which it is designed.
- Do not use this appliance with wet hands.
- Do not expose the soldering station to rain or moisture.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.
- This appliance must be earthed.

## **WHAT'S INCLUDED?**

- 1 Control Station
- 1 Soldering Iron
- 1 Iron Holder with pull out tray for tip cleaning sponge
- 1 User Manual

## **OVERVIEW**



## APPLICATION & OPERATION

**Note:** The first time you use the soldering iron, it may smoke slightly as the heating element dries out. This is normal and should only last for a few minutes.

**ONLY USE FOR ELECTRICAL WORK** - Acidic solder will damage the iron tip.

- Connect the plug on the soldering iron lead to the socket on the front of the station and tighten the locking ring finger tight.
- Place the iron in the holder.
- Connect the mains plug and turn on the power using the switch on the front of the station. The LCD will illuminate when the power is on.
- A self-test is briefly performed on powering on before the display shows the previously set temperature.
- Before using the soldering iron for the first time, dampen the cleaning sponge and place it in the tray on top of the station. Keep it damp during use.

### Adjusting the temperature

- Adjust the temperature required by pressing the UP or DOWN buttons.
- The lower figure is the required temperature, the upper figure shows the actual tip temperature.



- While the iron is heating up to the required temperature “HEAT ON” displays on the LCD.
  - If the difference between the required temperature and that of the iron tip is greater than 10° “WAIT” displays on the LCD.
  - To change from °C to °F press and hold the UP and DOWN buttons when powering on. The display shows °C or °F after the temperature figure.
  - Between use (or during breaks), always put the soldering iron in the holder.
  - Lower the temperature during breaks as this extends the life of the tip.
  - When the soldering work is done, adjust the temperature to 270°C or switch off the power first, clean the tip and tin with fresh solder to protect it from oxidation.
- Never file down the tips or attempt to clean using abrasives.
  - If the tip is worn, replacement tips are available for this station - see our website or catalogue.



## TIP REPLACEMENT

- Replacing the tip should only be done when the iron is switched off and at room temperature.
- The tip can be changed or replaced by unscrewing the knurled nut barrel.

**Caution:** Damage could occur if the iron is left on without the tip inserted.

- After removing the tip, blow out any remaining oxide dust that may have formed in the tip retaining area of the barrel.

**Warning:** Care should be taken to avoid getting dust in your eyes.

- Replace the tip and tighten the knurled nut barrel assembly with your fingers.
- Pliers should only be used to tighten the nut if loosening occurs when the iron is hot.
- Do not over tighten the nut as the element could be damaged.

## CLEANING

- Cleaning should only be done when the iron is switched off and at room temperature.
- The iron may be cleaned with a damp cloth and a small amount of liquid detergent if necessary.
- Never submerge the soldering iron in liquid or allow any liquid to enter the case.
- Do not use any chemicals, abrasives or solvents that could damage the soldering iron.

## TROUBLESHOOTING

- "ERROR" is displayed - A loose connection - check connection of the iron to the station.
- Tip will not reach set temperature - Defective heating element
- Solder will not wet the tip - Tip temperature is too high.  
Tip is badly oxidized and requires cleaning.

## SPECIFICATIONS

Power Consumption	48W
Input Voltage	220-240V~50Hz
Output Voltage	24V AC
Temperature Range	150-450°C
Temperature Accuracy	+/-5°C
Weight	2kg



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronics Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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