

Desoldering Rework Station

Model: ZD-8915



1. Features

- 200W temperature controlled soldering station with adjustable range from 160°C to 480°C.
- LCD display to indicate the temperature, with white backlight.
- Economical desoldering station designed for use with lead free solders.
- Ergonomic pistol grip with trigger for rapid removal of solder.
- Displays both the set temperature and the actual tip temperature.
- Desoldering gun and holder included.

2. Control Unit

The desoldering iron gun is controlled automatically by the micro-processor. The digital control electronics and high-quality sensor and heat exchange system guarantee precise temperature control at the soldering tip. The highest degree of temperature precision and optimal dynamic thermal behavior under load conditions is obtained by the quick and accurate recording of the measured values in a closed control circuit, and this design is especially for the lead-free production technics.

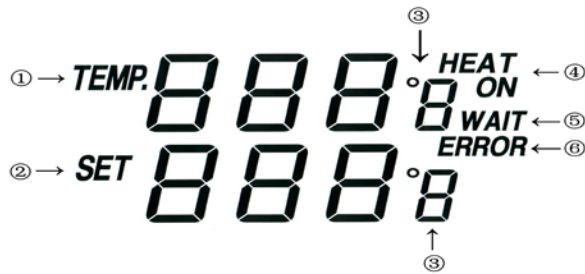
3. Desoldering gun (ZD-553)

ZD-553 desoldering gun with a power of 90W and a wide spectrum of soldering tips (N5 series) can be used anywhere in the electronics field.

The high power and gun type design make this iron gun suitable for fine desoldering work. The heating element is made of PTC and the sensor on the desoldering tip can control the desoldering temperature quickly and accurately.

4. Operation

Place the desoldering gun in the holder separately. Then connect the plug to the receptacle on the station and turn clockwise to tighten the plug nut. Check that the power supply is corresponding to the specification on the type plate and the power switch is on the "OFF" position. Connect the control unit to the power supply and switch on the power. Then a self-test is carried out in which all display elements are switched on briefly. The electronic system then switches on automatically to the set temperature and displays this value.

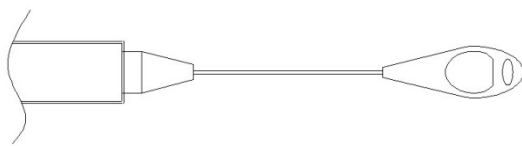


The display and temperature setting

- ① shows the actual temperature of the tip/nozzle.
- ② shows the setting temperature. Short press the "UP"/"DOWN" button to adjust the temperature by 1°C. Long-press the button to adjust it quickly..
- ③ Press the °C/°F button to change the temperature unit between °C and °F.
- ④ When the actual temperature of the tip/nozzle is lower than the setting, "HEAT ON" will display.
- ⑤ When the difference is more than 10°C between the actual and setting temperatures, "WAIT" will display. Wait until it has disappeared.
- ⑥ When "ERROR" displays, there may be some problem with the system. Or the soldering iron/hot air gun is not correctly connected.

Cleaning the desoldering tube:

After use, the solder waste is left in the pipe. Clean it regularly, otherwise the waste will block the desoldering gun. At high temperatures, solder waste will oxidize (lead-free solder melts at 220°C and leaded solder melts at 180°C), swell and stick to the tube tightly. Eventually it will become nearly impossible to be removed even with a cleaning tool like below.



(Cleaning tool)

How to clean:

- a) After use every time, trigger the desoldering gun 3-5 times in the air rapidly to clear the solder waste inside its pipe.
- b) If the interval between each operation is more than 20 minutes, use the cleaning tool to clean the pipe while during intervals.
- c) When the desoldering performance becomes poor, use the cleaning tool to clean the pipe immediately.
- d) When half of the glass tube is filled with solder waste, clean it immediately.
When the filter is becoming clogged up, replace the filter immediately.

5. Caution !

The operating instructions and cautions should be read carefully and kept in an easily visible location in the vicinity of the control system. Non-observance of the cautions will result in accidents, injury or risks to health. The manufacturer assumes no liability for uses other than those described in the operating instructions or for unauthorized alterations.

5.1 The power cord only can be inserted in approved power sockets or adapters.

5.2 High Temperature

The temperature of the soldering tip will reach as high as around 400°C (752°F) when the power switch is on. Since mishandling may lead to burns and fire, be sure to comply with the following precautions:

- ◆ Do not touch metallic parts near the soldering tip/ nozzle.
- ◆ Do not use this system near the flammable items.
- ◆ Advise other people in the work area that the unit can reach a very high temperature and should be considered potentially dangerous.
- ◆ Turn off the power switch while taking breaks and when finishing using.
- ◆ Before replacing parts or storing the system, turn off the power and let it cool down to the room temperature.

5.3 take care of your tools

Do not use the tools for any applications other than soldering or desoldering.

Do not rap the iron against the work bench or otherwise subject the iron to severe shocks.

Do not file the soldering tip to remove the oxide, please wipe the tip on the cleaning sponge.

Use only accessories or attachments which are listed in the operation manual. Use of other tools and other accessories can lead to a danger of injury.

Please turn off the power before connecting or disconnecting the soldering iron.

5.4 Maintenance

Before further use, safety devices or slightly damaged parts must be carefully checked for error-free and intended operation. Inspect moving parts for error-free operation and that they don't bind, or whether any parts are damaged. Damaged safety devices and parts must be repaired or replaced by a qualified technician, so long as nothing else is indicated in the operation manual. Use only accessories or attachments which are listed in the operation manual. Use of other tools and other accessories can lead to a danger of injury.

5.5 Keep children at a distance

Do not allow other persons to touch or disturb the soldering tool or power cord. Keep

other persons away from the work area. Unused soldering tools should be stored in a dry location which is out of the reach of children. Switch off all unused soldering tools.

5.6 Protect yourself against electrical shocks

Avoid touching grounded parts with your body, e.g. pipes, heating radiators and so on. The grip of antistatic designed soldering tool is conductive.

5.7 Work environment

Do not use the soldering tool in a moist or wet environment. The soldering iron should be placed on the holder after finished using.

5.8 Observe the valid safety regulations at your work place.

6. Safety Instruction

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- ♦ The operating instructions and cautions should be read carefully and kept in an easily visible location in the vicinity of the control system. Non-observance of the cautions will result in accidents, injury or risks to health.