

# Desoldering Rework Station

Model: ZD-915



## 1. Description

ZD-915 is designed for lead free desoldering especially. The quick heating and strong power are for convenient and clear desoldering all types of DIP components.

Reasonable structure, single hand operation and strong absorbing power can easily remove the residual solder from the one-sided or two-sided PCB.

This appliance is used in the fields of electronic research, teaching and production, especially in the repairing and desoldering on the electronic appliances and communication equipments.

### 1.1 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 desoldering 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 desoldering.

### 1.2 Desoldering gun (ZD-552A)

ZD-552A desoldering gun with a power of 80W(heat up rating 200W) and its spare tips(N5 series) can be used anywhere in the electronics field.

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

## 2. Specifications

Code	Voltage	Note
89-8511	110~130V	
89-8512	220~240V	
89-8513	110~130V	ESD
89-8514	220~240V	ESD

Spare desoldering gun:

Model	Voltage	Power	NOTE
ZD-552A	24V	80W	6 pins, no sleep function

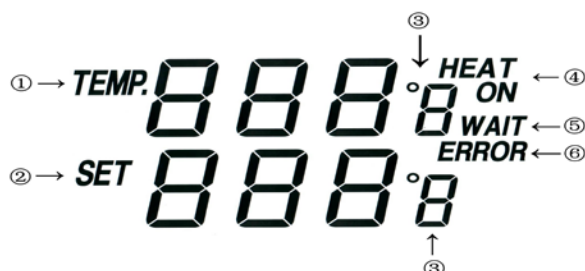
Technical data:

Station		Desoldering gun	
Input voltage	110-130VAC 220-240VAC	Voltage	24V
Power	140W	Power	80W Heat up rating 200W
Main fuse	3.15A	Temperature	160°C- 480°C
Vacuum pressure	600mm Hg	Heating element	PTC ceramic heater

## 3. Operation

3.1 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 at 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.

3.2 The display and temperature setting



The digital display:

- ① shows the actual temperature of the tip.
- 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 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.

## 4. Caution!

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

### 4.2 High Temperature

The temperature of the desoldering tip will reach as high as around 480°C (896°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 desoldering tip.
- ◆ Do not use this appliance near the flammable appliances.
- ◆ Advise other people in the work area that the appliance 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 appliance, turn off the power and let it cool down to the room temperature.

### 4.3 take care of your appliance

Do not use the appliance for any applications other than desoldering.

Do not hit the desoldering gun against the work bench or otherwise subject it to severe shocks.

Please turn off the power before connecting or disconnecting the desoldering gun.

### 4.4 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 appliances and other accessories can lead to a danger of injury.

### 4.5 Keep children at a distance

Do not allow other persons to touch or disturb the desoldering gun or power cord. Keep other persons away from the work area. Unused desoldering guns should be stored in a dry location which is out of children's reach. Switch off all unused desoldering guns.

#### 4.6 Work environment

Do not use the desoldering gun in a moist or wet environment. The desoldering gun should be placed on the holder after finishing using.

4.7 Observe the valid safety regulations at your work place.

## 5. Safety Instruction

- ◆ The manufacturer assumes no liability for uses other than those described in the operating instructions or for unauthorized alterations.
- ◆ 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.