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
Warning: this appliance is not intended for use by young children and infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely.
Warning: Young children should be supervised to ensure that they do not play with the appliance.
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.

Visit www.tmatlantic.com for more information

User's Manual

Temperature Controlled Desoldering Station

ASE-2105

Thank you for choosing AKTAKOM desoldering station.

www.tmatlantic.com

1. Description

ASE-2105 designed for lead free desoldering especially. The quick heating and strong power are for convenient and clear soldering / desoldering all types of DIP components.
Reasonable structure, single hand operation and strong absorbing power can be easy removal of the residual solder from the one-sided or two sided of the PCB.
This tool 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 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.

1.2 Desoldering gun

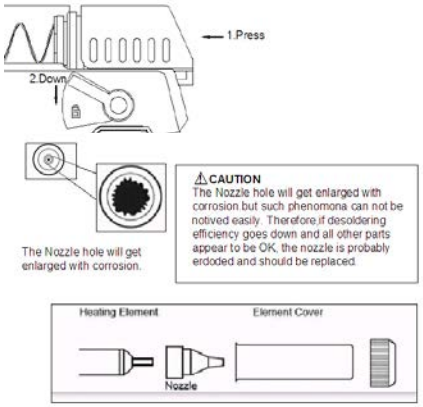
Desoldering gun with a power of 90W (Heat up rating 200W) and a wide range of soldering tips can be used anywhere in the electronics field.
The high power and gun type design make this gun suitable for fine desoldering work. The heating element is made of PTC and the sensor on the desoldering tip can control the desoldering temperature quickly and accurately.

- 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.
- **Warning: this tool must be placed on its stand when not in use.**
- **A fire may result if the appliance is not used with care, therefore:**
  - **be careful when using the appliance in places where there are combustible material;**
  - **do not apply to the same place for a long time;**
  - **do not use in presence of an explosive atmosphere;**
  - **be aware heat may be conducted to combustible materials that out of sight;**
  - **place the appliance on its stand after use and allow it to cool down before storage;**
  - **do not leave the appliance unattended when it is switched on.**

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.

Press the back holder , then the knob will bullet down and become locked automatically.



4. 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.

5. Caution!

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.

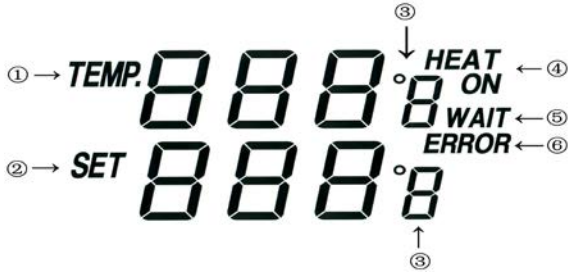
2. Technical Specification

STATION		DESOLDER GUN	
INPUT VOLTAGE	110-240VAC	VOLTAGE	24V
POWER CONSUMPION	90W	POWER	90W HEAT UP RATING 200W
MAIN FUSE	3.15A	TEMPERTURE	160°C-480°C
VACUUM PRESSURE	600mm Hg	HEATING ELEMENT	PTC CERAMIC HEATER

3. Operating Instruction

3.1 Place the desoldering gun in the holder separately. Then connect the plug to the station and turn clockwise to tighten the plug nut. Check that 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 . The system will switch on automatically to show the set temperature and displays the value.

3.2 The display and temperature setting



The digital display:

① shows the actual temperature of the desoldering tip .

②shows the setting temperature: Pressing the “UP” or “DOWN” button can switch the digital display to the set point

display. The set-point can be changed for ±1°C by tapping the "UP" or "DOWN" button. Pressing the button will change the set-point quickly. The digital display will return automatically to the actual value and the iron will reach to the setting temperature quickly.

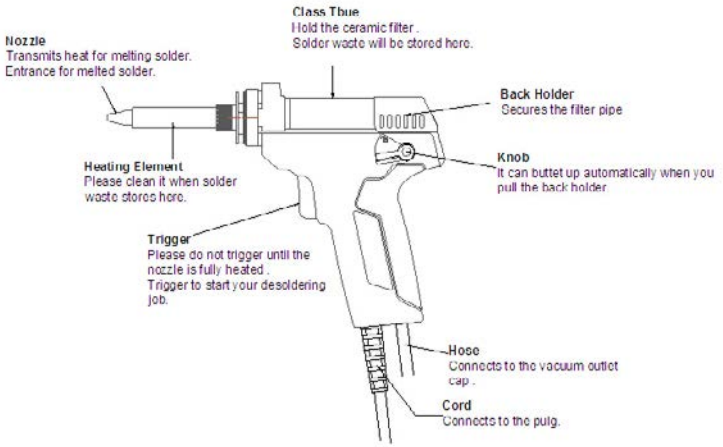
③ * display: Switching the temperature display from °C to °F by pressing the "*"button and then the electronic system will display the actual temperature① and setting temperature② in °F, and vice versa.

④When the actual temperature on the soldering tip is less than the set-point, "HEAT ON" will display and make the desoldering tip heating up.

⑤When the absolute offset is more than ±10°C between the actual temperature and the set-point on the soldering tip or the nozzle, "WAIT" will display. It means that the temperature electronic control system is not in the stable situation, we should wait a moment to let the "WAIT" disappear.

⑥When "ERROR" display, there may be a trouble on the system, or the soldering iron is not connected to the control system correctly.

3.3 Using desoldering gun



WARNING:

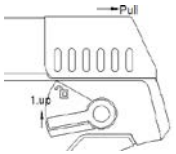
1. Maintain the heated desoldering gun carefully, the high temperature gun will cause fires or painful burns to the body if you are not careful.

2. Always disconnect the mains plug to a socket before any maintenance performance except you do the solder waste removing on the heater and nozzle.

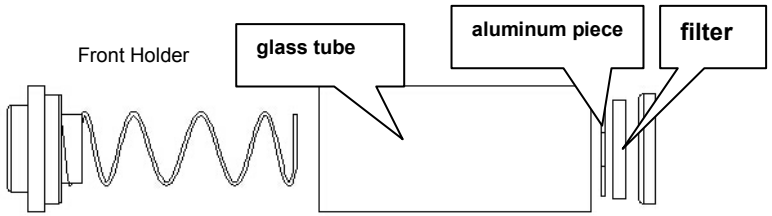
Solder waste will be stored in the nozzle and heating element. These solder waste will lower the heating process and reduce the suction efficiency . Should there be a noticeable drop in suction efficiency during operation, please replace the filter and clean the nozzle and heater with the cleaning pin .

Please follow below steps to remove the solder waste:

1. Pull the back holder, then the knob will bullet up and become unlocked automatically .



2.Take the spring out from the glass tube ,then remove the solder waste.



3. Put the spring back to glass tube, then put glass tube back to position.