








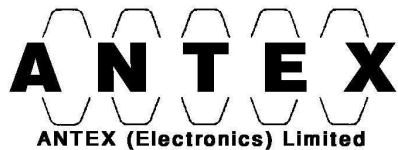


## Soldering Iron Tips

The following tips will fit the TC50 soldering iron.

These are available from our website: [www.antex.co.uk](http://www.antex.co.uk)

Bit Type	Tip Size	Antex Part	
1107	0.12mm	B110770	
1105	0.50mm	B110560	
1106	1.00mm	B110660	
1100	2.30mm	B110060	
1101	3.00mm	B110160	
1108	3.00mm	B110860	
1102	4.70mm	B110260	
1109	5.00mm	B110960	
1103	6.00mm	B110360	



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## 690D SOLDERING STATION

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# WARNINGS

Please the soldering tip temperature at 200-480°C, above this may cause burning or fire accidents, please see below:

- Operate away from flammable or explosive materials.
- Use only original ANTEX parts for replacements.
- Turn off the power and wait for the machine to cool down to room temp before replacing parts or changing soldering iron bits.

To prevent damage to the soldering station, and maintain the operational safety, please see below:

- Do not use the unit for applications other than soldering.
- Do not knock the soldering iron against the work bench to shake off residual solder, this can damage the iron.
- While using the unit, don't do anything or use in a manner that may cause bodily harm or physical damage.

# Maintenance

To ensure the soldering station operates correctly, please observe the following.

## 1. Cleaning

- Clean the soldering iron and the station case with a piece of cloth and cleanser.
- Keep away from liquids and do not allow station to become damp.
- Do not clean the housing with solvent.

## 2. To Change the tip.

Please use original ANTEX tips only.

When changing the tip, make sure the power is turned off, and the tip is at room temperature. Remove with a gentle pulling motion. Take care not to bend the soldering iron shaft.

Gently remove any oxidation from the shaft with emery paper.

## 3. New tip


When replacing a tip, please follow below instructions to prolong tip life.

- 1) Turn the power on.
- 2) Tin the tip **as the iron heats up.**
- 3) When the tip reaches required temperature, it is ready to use.

## 4. Maintenance of the tip.

ANTEX soldering tips are manufactured from nickel plated copper, if used properly; they will give a very long service life.

- Always tin the tip before switching off, and wipe it only before soldering.
- Do not use the tip at too high a temp for prolonged periods.
- Do not apply excessive pressure to the tip as this will not increase heat transfer.
- Do not scrape the tip with a knife or sandpaper, as this will damage the plating.

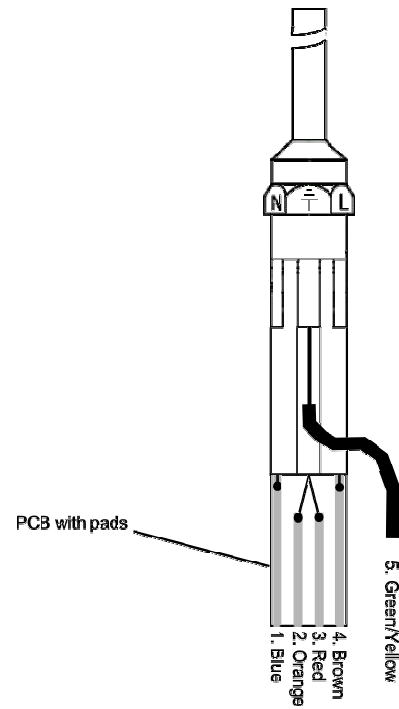
 Note: It is recommended to periodically remove the tip from the soldering iron and clean out any residue inside the bit or on the shaft.

## 5. After sales service

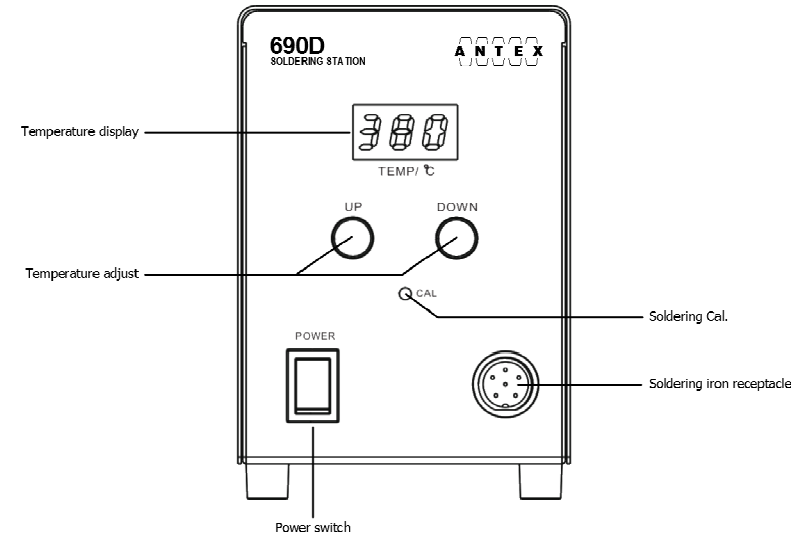
In the event of any malfunction please contact us directly. Our contact details are on the back cover of this leaflet.

## Soldering Iron Element Replacement (TC50 Iron)

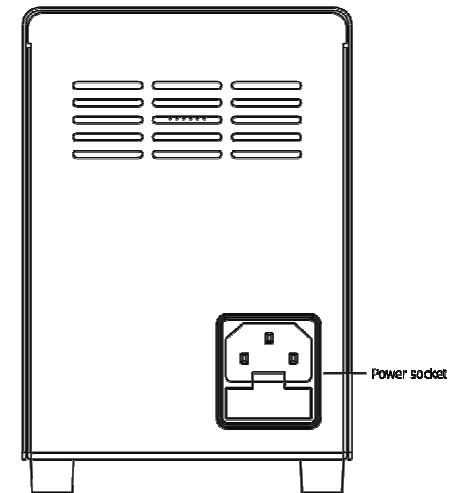
- Ensure that soldering iron is cool and disconnected from the soldering station.
- Remove the bit from the element shaft and unscrew the element and cable retaining screws from the iron handle.
- Gripping the element shaft firmly, wriggle it and pull out from the handle.
- De-solder the five (5) coloured wired contacts from the element.
- To attach the new element, solder coloured wires as below, ensuring that the green/yellow earth contact is made to the terminal marked  $\perp$  and the joint is covered by the sleeve after soldering.
- Wire connections made with element shaft pointing away from you and solder pads facing upwards.
- Re-fit element and secure with retaining screws. Check iron is working correctly.



## Front Panel



## Rear Panel



## Packing List

Soldering Station .....	1pc
Soldering Iron.....	1pc
Soldering iron stand .....	1pc
This leaflet .....	1pc

## Specifications

### Control Station

Output Power	760W (Max)	Input Voltage	AC 220V 50Hz
Housing Material	A3 Steel	Dimensions	160 x 95 x 141mm

### Soldering Station

Output Power	60W (Max)	Input Voltage	AC 24V 50Hz
Temp Range	200°C~480°C	Tip to ground resistance	<2Ω
Tip to ground potential	<2mV		

## Instructions

### 1. Connect to the power

Insert the mains lead into the back of the unit.

### 2. Start working

Turn on the power switch. In approx 3 seconds the display will indicate the working temperature.

### 3. Shut down

When you finish using the machine, turn off the power switch, this will prolong the heating element life.

### 4. Set the temperature

When power is on, press the UP or DOWN to set the working temperature. The setting comes into effect in approx 3 seconds.

### 5. Display definitions

Display "S-E"      Sensor of the displayed working mode is not functioning, the machine stops heating.

Display "H-E"      Heater or parts of the heater of the displayed working mode is broken.

Last displayed decimal point    Always on:    Heating up  
    Always off:    Stopped heating  
    Flashing:      At least one working mode is on.