

## Specification

Model	CSI Station 75W
Power consumption	≤75W
Output voltage	AC 28V
Display type	LCD
Temperature range	100~480°C/212~896°F
Temperature stability	±1°C
Handle line length	≥120cm
Iron heating elements	Imported heater
Iron tip resistance to ground	< 2Ω
Iron tip voltage to ground	< 2 mV (standard 0.6 mV)
Overall size	L139xW114xH80mm ±5mm
Weight	2.0kg
The work environment	0~40°C/32~104°F
Storage environment	-20~80°C/-4~176°F
Store humidity	35%~45%

## Features Overview

Model	CSI Premier 75W
Display type	LCD
Soldering iron sleep mode	YES
Automatic shutdown function	YES
Celsius / Fahrenheit conversion	YES
Temperature calibration	YES
Multi-Channel Temperature Setting	YES

**Circuit Specialists**

***CSI PREMIER 75W***

**Multi-Function 3 Channel Soldering Station**

**INSTRUCTION MANUAL**

## Tip Care & Maintenance

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### Tip Temperature:

High Soldering Temperatures can degrade the soldering tip. Use the lowest possible temperature setting for your work. This unit has excellent thermal recovery capabilities, allowing effective soldering at lower temperatures. This approach also has the advantage of helping to protect items being soldered from heat damage. Different solders and different soldering scenarios (ambient temperature of the board, size of the components) will require adjustments to the soldering temperature setting.

### Cleaning:

The CSI PREMIER75W is supplied with a tip cleaning accessory. This rosin-filled pot with wire wool filler allows you to effectively clean impurities from soldering tips between uses. It is important to maintain a clean tip and keep the impurity build-up on the tips to a minimum. Corrosion leads to heat loss and reduces the effectiveness of the solder tip to transfer heat to your application.

### After Use:

Having cleaned the tip, with the rosin pot and / or wiping clean with the sponge, it is essential for tip integrity to cover the tip with a coating of solder. This solder remains in place between uses (tinning the tip) and prevents oxidation of the tip surface.

## Replacement Tips, Irons and Accessories available at:

**In the USA:**

[www.circuitspecialists.com](http://www.circuitspecialists.com)

**In Europe:**

[www.circuitspecialists.eu](http://www.circuitspecialists.eu)

## Thank you for your purchase of a Circuit Specialists *CSI PREMIER 75W* Soldering Station.

We strive to offer the best value products possible. We hope that you will find this soldering station to be very suitable for your soldering needs.

### Circuit Specialists.....Since 1971

This unit is supported by our offices in the USA and Europe. Accessories and spares are available locally at the websites below:

[www.circuitspecialists.com](http://www.circuitspecialists.com).....For customers living in the USA

[www.circuitspecialists.eu](http://www.circuitspecialists.eu).....For customers living in Europe

## Packing List

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CSI PREMIER 75W Main Station.....	1pc
Solder Iron with Fine Tip.....	1pc
Solder Iron Holder.....	1pc
Rosin Pot with Wire Wool Tip Cleaner.....	1pc
Instruction Manual.....	1pc

## Key Features

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- Powerful 75W heater works effectively with standard & LF solder
- Quality finish on fascia and control dial
- Backlit LCD display
- Three channel temperature pre-set storage function
- Temperature calibration function

## Operating instructions

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1. Connect the iron to the base station
2. Connect the power and switch on. The iron will heat.
3. Rotate the temperature adjustment dial on the front panel to adjust the temperature to the desired setting.

### Three Channel Storage Feature:

The unit is equipped with the ability to store 3 separate heat settings.

#### To Store Temperature Settings

Press the CH1 button to display the ① icon on the control panel. Adjust the main dial to set the desired temperature on the display. After 6 seconds at the set temperature, the unit automatically stores the temperature value to CH1. Set CH2 and CH3 in the same way to store 3 quick access settings.

### Fahrenheit / Celsius Conversion:

The user may choose to display either Celsius or Fahrenheit.

- Press temperature dial until °C / °F icon flashes in the display.
- Rotate the temperature adjustment dial to switch between Fahrenheit / Celsius (left rotation adjustment for °C, right rotation adjustment for °F).
- After setting, the characters flash seven times before returning to work mode. You may also press the temperature dial again to confirm your setting.

### Iron Sleep Function Settings:

- Press the temperature dial twice, the display panel flashes L00.
- Rotate the temperature adjustment dial to set the iron sleep time (Range: 0-99 minutes, 00 for no sleep).
- The time set will flash 7 times before returning to work mode. You may also press the dial again to confirm your setting and cycle through to set the automatic shutdown feature.

NB.: During sleep mode, the soldering iron temperature is automatically lowered to 200°C. Simply move the iron handle to restore the settings that were active prior to sleep mode activation.

### 5. To Set the Automatic Shutdown Feature:

- Press the temperature dial 3 times until the display flashes "P00".
- Rotate the main dial to set automatic shutdown time (range 0-99 minutes, - set 00 to cancel automatic shutdown).
- The display will flash seven times before returning to work mode. You may also press the main dial again to confirm your selection.

### 6. To Set the Temperature Correction Feature:

- Press the main dial 4 times. The display will flash "00".
- Rotate the main dial to set the iron temperature (correction range:  $\pm 50^{\circ}\text{C}$ ).
- The display will flash seven times before returning to work mode. You may also press the main dial again to confirm your selection.

NB: The CSI PREMIER 75W is calibrated at the factory. For most applications, there should be no requirement to re-calibrate the unit. This feature should only be required if the user wishes to re-calibrate the output due to the use of a different tip style or operating environment, or if there is a discrepancy in output after heating element / iron replacement.

### Limited Warranty Statement

This unit has a limited warranty of 1 year from the date of the original purchase receipt. Excluded from this warranty are any consumables such as soldering tips and heating elements. Should the main body fail during the warranty period, Circuit Specialists will, at its' option, repair or replace the damaged unit. This warranty applies only to manufacturing defects. Damage caused by misuse, physical trauma etc. is excluded. To receive warranty service, the unit must be returned to the point of purchase. The end user will be responsible for the shipping costs (if any). Circuit Specialists will be responsible for the cost of returning the repair or replacement. Please check with the appropriate retailer for specific return procedures.