

Features

- An ergonomic handle with shorter distance between heating element and tip gets very fast heat up time and quick heat compensation
- A high-quality sensor and heat transfer technology ensure precise temperature regulation, which is essential for making consistent, reliable soldered connections
- The temperature is maintained within $\pm 3^{\circ}\text{C}$ ($\pm 6^{\circ}\text{C}$) of its operating temperature by a thermocouple sensor placed in the head of the heating element, allowing the tip to rest against the sensor



Working Temperature

- To meet RoHS requirements, the 60/40 solder alloys are not allowed in the production process
- The lead free solder alloys require a working temperature of 300°C (540°F) higher than previous generation electrical solder
- The working temperature of solder is detailed below and can vary from manufacturer to manufacturer
- When the iron's working temperature is set within the parameters suitable for the type of solder being used, a good joint is assured
- Too low of a temperature will slow the rate of solder flow while a high temperature setting might burn the flux in the solder and emit a heavy, white smoke resulting in a dry joint or permanent damage to the printed circuit board (PCB) and may also shorten the tip life

Specification

Output Power	100 W
Supply Voltage	230 V
Plug Type	CEE, 6 Pole
Melting Point	220°C
Normal Operation	$300 \dots 360^{\circ}\text{C}$
Product Line Operation	$360 \dots 410^{\circ}\text{C}$

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