HCT2-200
Digital Hot Air Pencil

METCAL™

Applications

The HCT2-200 was developed for very small surface mount component and package sizes (1206's and smaller) and low board densities. For denser PCBA's or applications with heavy copper planes, boards > 4 layers, or components larger than 5mm², use of a Metcal preheater (PCT-100 series) may be necessary.

Features and Benefits

- **200 Watt Ceramic Heater and Dual Stage Air Pump:** Provides the power and performance needed to deliver the right amount of thermal energy.

- **Digital Airflow & Temperature Controls:** Two LED displays provide a graphical and numerical representation of the desired airflow and temperature.

- **Fast Response and Performance:** A microprocessor controlled, closed loop feedback system provides fast heating, precise and stable temperature control.

- **Standby Mode:** When the hand-piece is placed into the workstand, the temperature will drop prolonging heater life.

- **Replaceable Hand-Piece:** The hand-piece has been redesigned to allow removal from front of the machine.

- **Ergonomic and Light Weight Hand-Piece:** Slim and ergonomic design hand-piece that feels like a pencil, with a rubber grip.

- **Easily Change Heaters, Nozzles, and Hand-Pieces:** All can be changed in moments

- **Nozzles:** Six nozzles (1.5 mm – 4.0 mm) are included in the unit with a nozzle plate holder inside the workstand.

SOIC's   0201's   1206's

Technical Specifications

HCT2-200 Digital Hot Air Pencil	
Ambient Operating Temp.	10 to 40 °C
Input Line Voltage	-11 110 VAC, grounded circuit
	-21 220–240 VAC, grounded circuit
Input Line Frequency	50/60 Hz
Rated Power	200W
Air Flow	1.5 – 7.0 LPM
Noise Level	Typically under 52dBA at max airflow
Output Temperature Range	100°-450°C
Temperature Stability	10% of display value (> 250°C)
Certifications/Markings	cNRTLus, CE, RoHS + WEEE
Surface Resistivity	10^5 -10^9 Ω /sq
Power Supply Dim. w x d x h	10.6 cm (4.2") x 21.3 cm (8.4") x 17.0cm (6.7")
Workstand Dim. w x d x h	7.6 cm (3.0") x 16.8 cm (6.6") x 8.6 cm (3.4")
Weight of the Power Supply	5.8 lbs. (2.63 kg)
Weight of the Workstand	0.9 lbs. (.4 kg)

Models

HCT2-200-11   Digital Hot Air Pencil, 110 VAC
HCT2-200-21 Digital Hot Air Pencil, 220-240 VAC

System includes: Hot air pencil, pack of 6 straight nozzles, workstand with nozzle holder

Optional Accessories

Part #	Description
HN-120KIT-6	Pack of 6 straight nozzles (1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm)
HN-HCT2-BENT-6	Pack of 6 bent nozzles (1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm, 4.0mm)
HCT2-200-HP	Replacement Hand-piece
HCT-WS120	Replacement Workstand with nozzle holder
HCT-HTR200	Replacement 200W Heater
AC-CP2	Nozzle Removal Pad