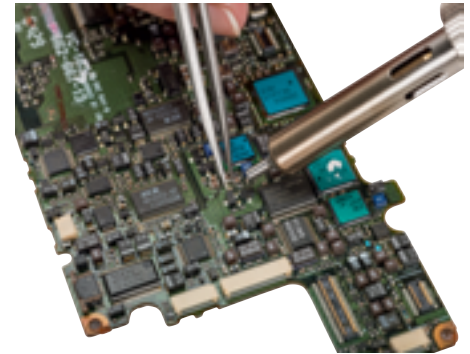


New Metcal HCT2-120 Digital Hot Air Pencil



The new HCT2-120 Hot Air Pencil is the latest addition to Metcal's offering of convection rework tools. This digital handheld convection tool is ideally suited for applications, which use smaller components and integrated circuits.

As component miniaturization continues, the ergonomics of a pencil allow a user more freedom to access and rework components on the board without affecting adjacent parts.



FEATURES AND BENEFITS

- **120 Watt Ceramic Heater and Dual Stage Air Pump:** Provides the power and performance needed to deliver the right amount of thermal energy.
- **Digital Airflow and 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.
- **Universal Power Supply:** Automatically senses the input line voltage and adjusts accordingly, which allows for worldwide operation without adaptors or a change in performance.
- **Ergonomic and Light Weight Hand-Piece:** Slim and ergonomic design hand-piece that feels like a pencil, with a rubber grip.
- **Nozzles:** Six nozzles (1.5 mm – 4.0 mm) are included in the unit with a nozzle plate holder inside the workstand.
- **Easily Change Heaters and Nozzles:** Both can be changed in seconds.



HAND HELD CONVECTION REWORK

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APPLICATIONS



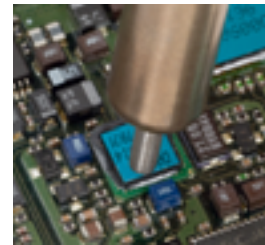
DIPs



SOICs



PLCCs



0201s



1210s

Other applications: Reflow of fine pitch QFPs, removal and placement of chips

PARTS AND ACCESSORIES

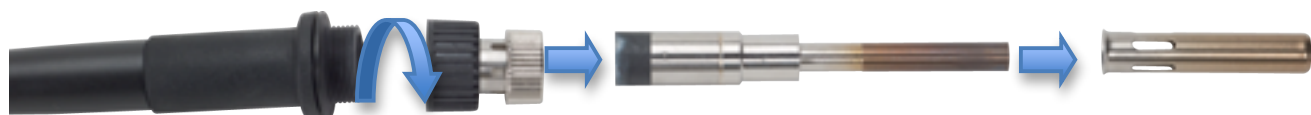
| | |
|--------------------------|--|
| HCT2-120 | Digital Hot Air Pencil includes: Power system with hand-piece and heater, pack of 6 nozzles, workstand with nozzle plate holder and a nozzle removal pad |
| REPLACEMENT PARTS | |
| HCT-HTR120 | 120W Heater |
| HN-120KIT-6 | Pack of 6 nozzles (1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5 mm and 4.0 mm) |
| HCT-WS120 | Workstand with nozzle holder |
| AC-CP2 | Heatproof nozzle removal pad |



TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|---|
| Ambient Operating Temperature | 10 to 40°C |
| Input Line Voltage | 100 – 240 VAC, grounded circuit |
| Input Frequency | 50/60 Hz |
| Rated Power | 75W |
| 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 |
| Certifications / Markings | cNRTLus, CE, RoHS + WEEE |
| Surface Resistivity | 10 ⁵ Ω -10 ⁹ Ω /sq |
| Power Supply Dimensions w x d x h | 10.6 cm (4.2") x 21.3 cm (8.4") x 17.0cm (6.7") |
| Workstand Dimensions 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) |

The heater can easily be removed and replaced from the hand-piece



HAND HELD CONVECTION REWORK