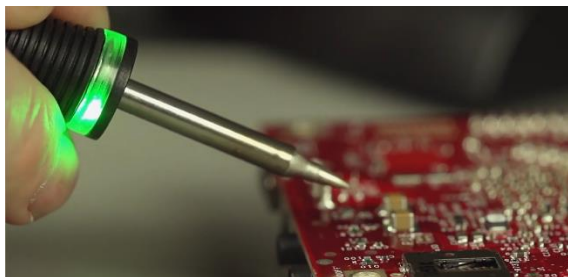




CV-5210-IOT

Raising the Bar on Process Control and Traceability

With CV-5210 ConnectionValidation® Systems and the Metcal CV-IOT Gateway, manufacturers can leverage more soldering data than ever before



Features and Benefits

CV-5210

- SmartHeat™ Power-on-Demand Technology
- Patented ConnectionValidation® IMC Formation Technology
- 2.8" color touchscreen with bold graphics
- Communications Port for process traceability data and firmware updates
- Integrated Net-Power Meter and power graph
- Patented Chip-in-Cartridge technology
- Provides traceability information

CV-IOT

- Capture all your soldering data
- Offers access to dynamic or static reports that can be generated locally or anywhere in the world
- Plug directly into your network
- Intuitive Dashboard enables you to view solder events, tip life, production floor updates which highlights how many stations are on/off, ground fault events, and total solder joints by station
- Data generated in real-time

CV-5210 TECHNICAL SPECIFICATIONS

Ambient Operating Temp.	10 to 40 °C
Max. Enclosure Temp.	55°C
Input Line Voltage	100 – 240 VAC, grounded circuit
Input Line Frequency	50/60 Hz
Rated Power Consumption	125W
Output Power	80W max.
Output Frequency	13.56 MHz
Heating Method	Induction
Display	2.8" Color TFT LCD Display
Resolution	320*240 RGB
Size	2.8" Diagonal
Active Area	43.20 x 57.60 mm
Connections	Single Port
Communications	USB
Power Supply Dim. w x d x h (mm)	121 x 130 x 235
Power Supply Weight (kg)	3.35
Certification / Marking	CE TUV
Tip-to- Ground Potential	<2mV
Tip-to-Ground Resistance	<2ohms
Idle Temperature Stability	1.1°C in still air
Tip Temperature Accuracy	Meets or exceeds IPC J-STD-001 Standard
LED Power Connector	6 pin DIN
Operation	2 single port or dynamic dual simultaneous

CV-5210-IOT

CV-5210 + CV-IOT Module

Data Sheet



CV-5210 soldering station includes:

- CV-5200 ConnectionValidation™ Power Supply
- CV-H1-AV: Advanced Handpiece with integrated LED status light

CV-IOT Module includes:

- CVI-IOT Gateway
- Charger, 5 V, 500mA
- Software Instruction Guide
- Cable, USB 2.0 A Male to Male
- Cable, USB 2.0 A Splitter
- Cable, USB 2.0 A to Micro USB Male

Application System Requirements:

- Windows 10
- Intel® Core™ i5 CPU or better
- 2 GB of system memory/RAM
- Intel® HD Graphics
- At least 150 GB of storage
- Ethernet 10/100



CV-IOT MODULE TECHNICAL SPECIFICATIONS

Dimensions	70 mm x 55 mm	
PCB Layer	8-layer	
Power Supply	5 V/1 A	
Power Consumption	5 V/0.25 A	
	UK/EU	NORTH AMERICA
Working Temperature	-40 °C ~ 85 °C	0 °C ~ 70 °C
Target Applications	Industry 4.0	IoT
CPU	MCIMX6	
DDR3	256 MB (Support up to 2 GB)	
NAND Flash	256 MB (Support 512 MB/1 GB)	
Ethernet	1 x 10/100 Mbps	
USB	1 x USB Host, 1 x Micro USB Device	

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metcal.com/contact-us

