

CV5000 MONITOR

Installation

1 Download CV5000Monitor from www.okinternational.com/metcal/english/resources/software

2 Select a destination and extract the files.

3 Run Setup

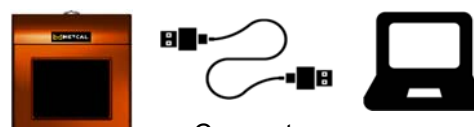
User Selected Destination from **2**



- CV5000Monitor_Installer
 - Volume
 - Setup

4 Complete the Installation Process and Verify COM port in Device Manager


Minimum Hardware Requirements


Operating System	Windows XP, Windows 7, Windows 10
CPU	Core 2 or AMD @2.4Ghz
Memory	>500M RAM
Hard Drive	500MB of free space
Graphics	DirectX 10-compatible GPU: GeForce 9800GT 1GB or ATi Radeon HD 4870 1 GB
CV Firmware	V:1.41.00 or greater

5  Connect

6  

Run

7 Power on System 



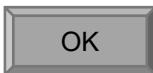
Setup

①

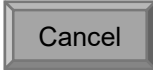
Select COM port from ④

Verify the following settings.

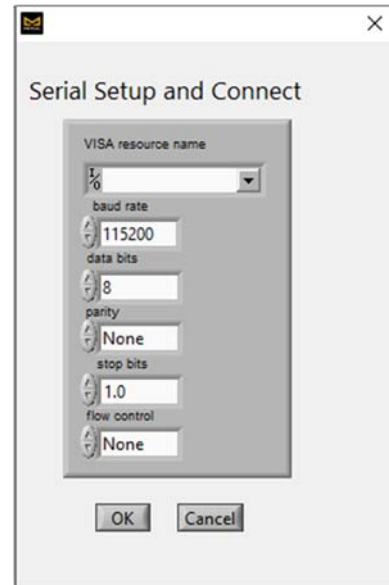
Baud Rate 1115200
 Data Bits 8
 Parity None
 Stop Bits 1.0
 Flow Control None



Connects the software to the CV system



Runs the software with no system connection



Operation

The METCAL software interface displays a central graph with two y-axes: Power (left, 0-80) and Temperature (right, -100 to 950) against Time (x-axis, 0-10). A red line represents Power, starting at 45 and decreasing to 30. A green line represents Temperature, starting at 15 and increasing to 40. The interface includes several numbered callouts:

- ①: File and folder icons in the top left.
- ②: Tip 1 and Tip 2 data entry panels on the left. Tip 1 shows Part Number CVC-7CH0025S, Serial Number 2451, and Lot 7425.
- ③: System status panel at the bottom left with indicators for NCC, Over Temp, Load 1 Error, Ground Fault, Load 2 Error, and Open Error.
- ④: The central graph area.
- ⑤: Control panel at the bottom right with icons for a plug, checkmark, waves, and CV, along with Pass (101) and Fail (25) counters.

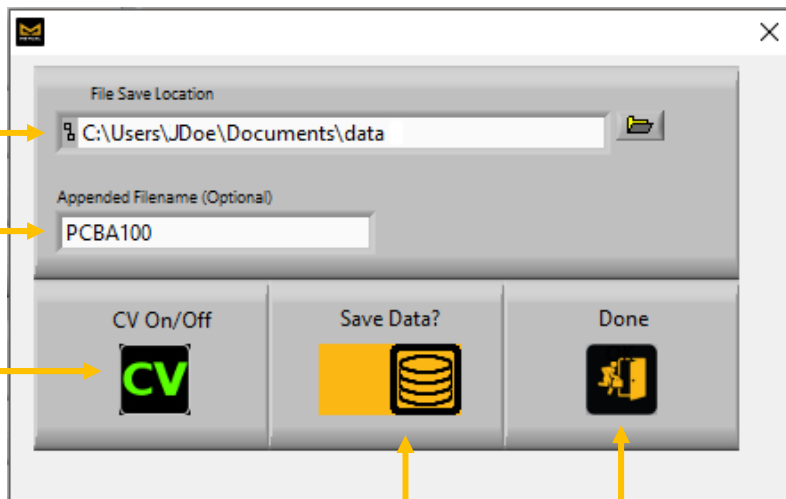
Version: 1.04

1  Save Setup

Select the file save location

Append an optional file name to uniquely identify solder events

Enable/Disable Connection Validation

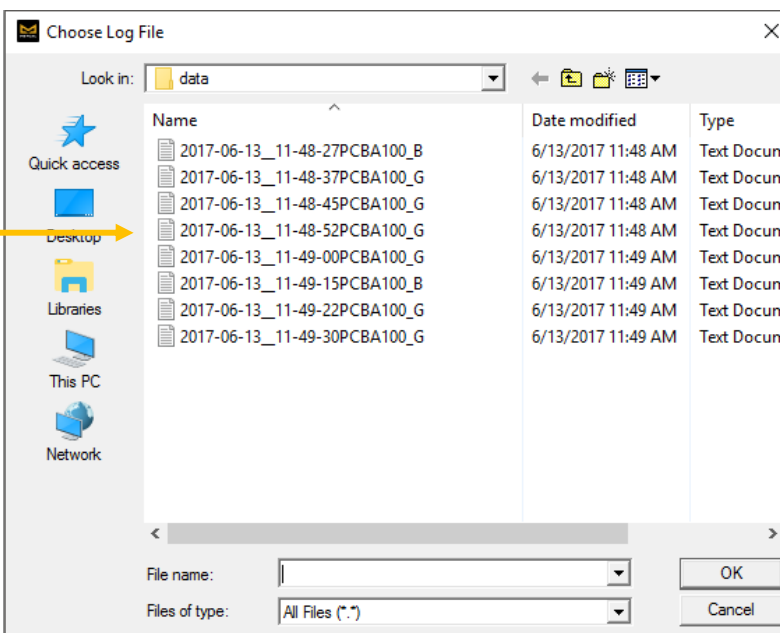


Enable/Disable data collection

Exit Save Setup

 File Open

- Solder Events, with data collection enabled, are saved in Year-Month-Day-24hr Time format.
- A name is appended to the event when selected from the Save Setup screen.
- Good IMC formation is indicated by _G.
- Bad IMC Formation is indicated by _B.
- Saved files are replayed in the graph and sequence areas.

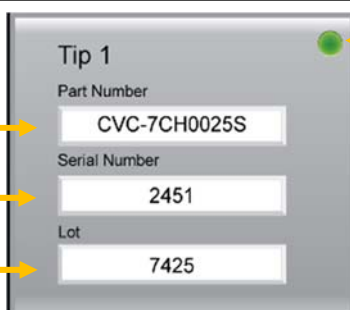


2 Cartridge Information

Cartridge Part Number

Cartridge Serial Number

Cartridge Lot Number



Active Cartridge
The Active Cartridge indicator displays the active cartridge.

3 System Status

Non-Conforming Cartridge

Cartridge 1 Load Error

Cartridge 2 Road Error

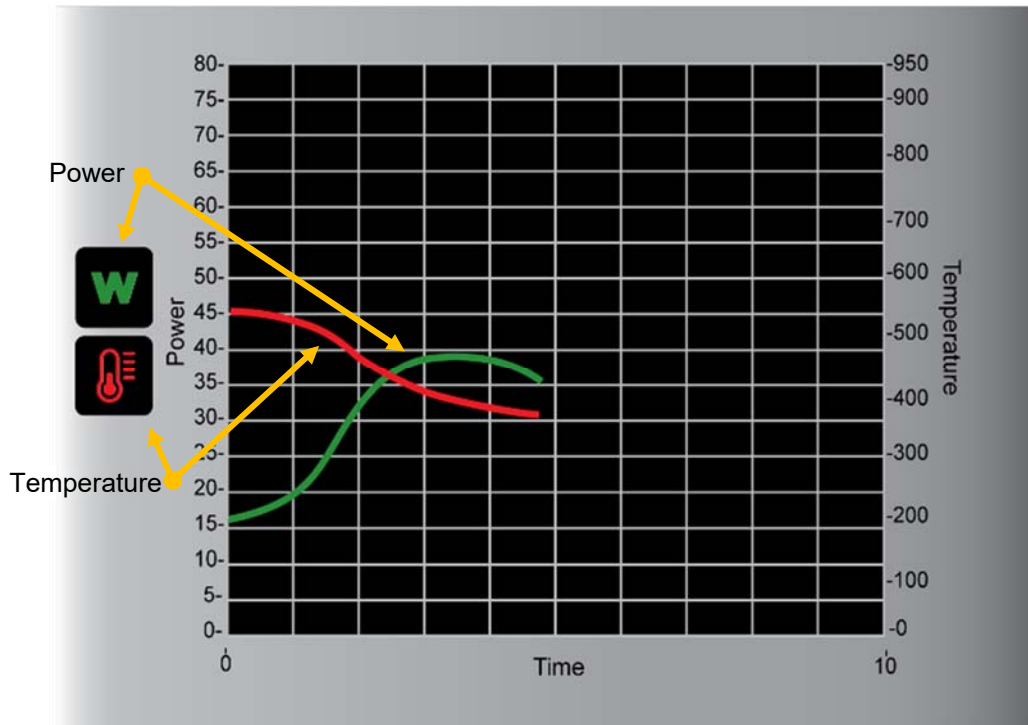


Over Temperature

Ground Fault Detection

No Cartridge Detected

4 Performance Graph



The Performance Graph displays the power and temperature from the initiation of a solder event for each solder joint. Selecting the Power or Temperature icons will enable or disable the display of the parameter.

5 Connection Validation Sequence & Pass/Fail Counter

The Connection Validation Sequence displays the Connection Validation sequence in conjunction with the power and temperature graph. The sequence will reset for each solder event. A failure in the Connection validation sequence is indicated by a red icon.



The Pass/Fail Counter tracks the number of success and failure per session.

