



The ECD OvenWATCH® system: Continuous Product Quality Monitoring.

The OvenWATCH® system is designed to continuously monitor the quality of PCB assemblies as they pass

through your reflow ovens. Now the OvenWATCH® system can provide you and your customers with the confidence of knowing that the quality of your PCB assemblies is being monitored 24 hours per day.....365 days per year.

- OvenWATCH® system continuously monitors the quality of PCB assemblies passing through your reflow solder oven.....24 hours a day....365 days a year
- OvenWATCH® system creates a board-specific dynamic thermal profile.
- OvenWATCH® system automatically reports any out-of-specification problems & trends before PCB quality is negatively affected
- OvenWATCH® system archives, for later review, the dynamic profile of each PCB assembly processed.
- Optional In & out board sensors bar code reading system provide individual PCB assembly profile tracking
- OvenWATCH® system automatically utilizes statistical process control (SPC) software to establish quality specifications & report out-of-control trends during operation
- OvenWATCH® system reports out-of-control trends by alarm lamp auto, e-mail, or page alert message
- OvenWATCH® system includes a dedicated independent Pentium 4-class networked PC
- OvenWATCH® system includes a 1.0" Uni-Barrier and two sets of thermocouples for your process development profiling to create a baseline reference profile
- OvenWATCH® system reduces scrap rate and re-work while increasing yields and production rates
- Now you can provide your customers with the confidence of knowing that the OvenWATCH® system is monitoring the quality of their products 24 hours per day

Specifications

Not just RoHS Compatible... RoHS Compliant

- **Compatibility:** For use with ECD OvenWATCH-Ready SuperM.O.L.E.® Gold Profilers. AutoM.O.L.E.® Xpert3 may be concurrently installed on a new or upgradeable major brand reflow oven
- **Display/Notification:** Green Ready and Red Out-of-Spec Indicator Lamps and alert messaging via page or email
- **Software:** OvenWATCH™ SPC - including: 24-hour oven monitoring, Process Data Archiving and Playback, Automatic Statistical Process Control Charting, Out-of-Specification Alarms
- **Computer Minimum Requirements:** 600MHz Pentium 4-class processor running Windows 95, 98, NT, ME, 2000, XP with 128MB RAM, 1GB free hard disk space, CDROM drive, Mouse, 1 Serial or USB port [2 required if ordering Bar Code Option], Network Port, USB, Network Port, VGA Color 1024 x 768 graphics/monitor
- **Sensors:** Custom Thermal Probe per Oven Make & Model, Optical Board Entry and Exit, Inductive Conveyor Speed, and 6 board profiling thermocouples [set-of-6 color-indexed .005" / .127mm dia. & .010" / .254mm dia. 3' K-Type]
- **Maximum Probe Temperature:** 350°C; 662°F
- **Option:** Ability to interface with Bar Code Readers for board serial numbers/Lot # ID
- **Dimensions:** Control Box 10.5" x 11" x 1.5"

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