



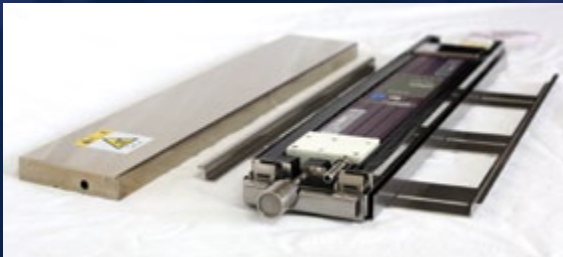
MALCOM RCX-1 Series Modular Reflow Oven Profiling System

MALCOM RCX-C OBSERVATION MONITOR

Observe and record video of your PCB as it passes through the reflow oven. Focus on specific areas of concern to isolate issues and points of interest.



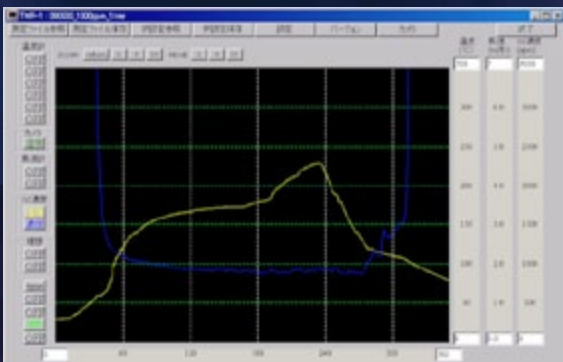
Camera	1/4 inch Color CCD 300 thousand pixels
Field of View	4 (W) x 3mm (H) (W.D. 10 ± 2mm) ~ 55 (W) x 41mm (H) (W.D. 300 ± 2mm)
Lighting	LED
Camera Unit Dimensions	84 (D) x 44 (W) x 17.5 (H) mm
Memory Unit Outer Dimension	360 (D) x 65 (W) x 25 (H) mm
Max. Measuring Time	Approx. 10 min. (Video Recording)



MALCOM RCX-O OXYGEN MONITOR

Measure the oxygen concentration from chamber to chamber as the monitor passes through the reflow oven.

Measurement Principle (O2 Concentration)	Zirconia Limiting Current Method
Measurement Range (O2 Concentration)	50 ~ 5000ppm -or- 1000 ~ 10000ppm
Measurement Accuracy (O2 Concentration)	50ppm~1000ppm ±5%FS 1000ppm~5000ppm ±10%FS 1000ppm~10000ppm ±5%FS
Max Measurement Time	Approx. 40min
Sampling Time	0.05, 0.1, 0.2, 0.5, 1.0, 2.0, 4.0, 8.0 Arbitrary Set-Up Possible (Synced with RCM-S)
Measurement Accuracy (Temp.)	300°C
Outer Dimension	383 (D) x 65 (W) x 25 (H) mm

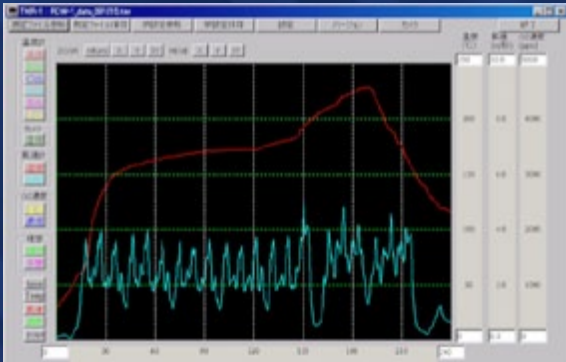




MALCOM RCX-W VELOCITY MONITOR

Measure the blower fan air velocity as the monitor passes through the reflow oven.

Measurement Range (Air Velocity)	0.1~5m/s
Measurement Accuracy (Air Velocity)	±(5%+0.1m/s) of the indicated value
Measurement Range (Temp.)	0~300°C
Measurement Accuracy (Temp.)	±2°C
Outer Dimension	270W×52D×24H(mm)



MALCOM RCX-S REFLOW CHECKER MEMORY UNIT

6-channel memory unit. Can be used stand-alone as a oven profiler, or used in conjunction with the other modules as a temperature sensor & data recorder.



Measured Temperature Range	0 ~ 500°C
Max. Measurement Time	8 hours (dependant on sampling time & battery)
Sampling Time	0.05, 0.1, 0.2, 0.5, 1.0, 2.0, 4.0, 8.0 Arbitrary Set-Up Possible
Temperature Accuracy	±1°C
Power Supply	AAA Rechargeable Batteries
Input	Thermocouple JIS-K (K-Type)
Data Transmission	USB or Bluetooth
Outer Dimension	Main Unit: 170 (D) x 55 (W) x 18 (H) mm Protective Case: 245 (D) x 65 (W) x 25 (H) mm



MALCOM RCX-T ADDITIONAL 6-CHANNEL MODULE

Additional 6-channel temperature module for use with the RCX-S for a total of 12 measurement points.

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