

JST ELECTRONICS



Profiler
Reflow & Wave
N2 analyser



Always Offering You the Perfect Solution

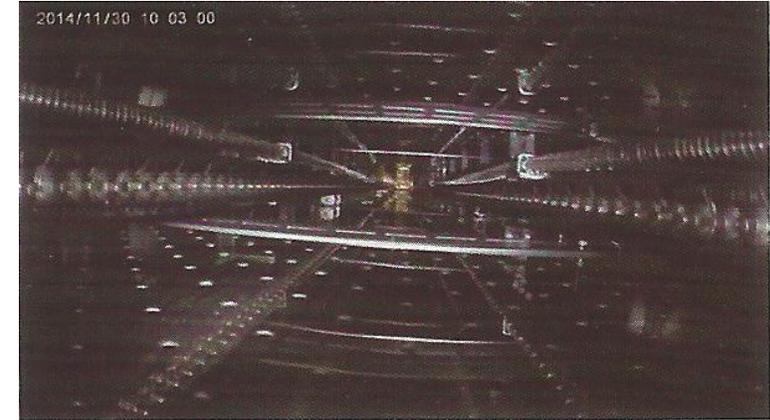
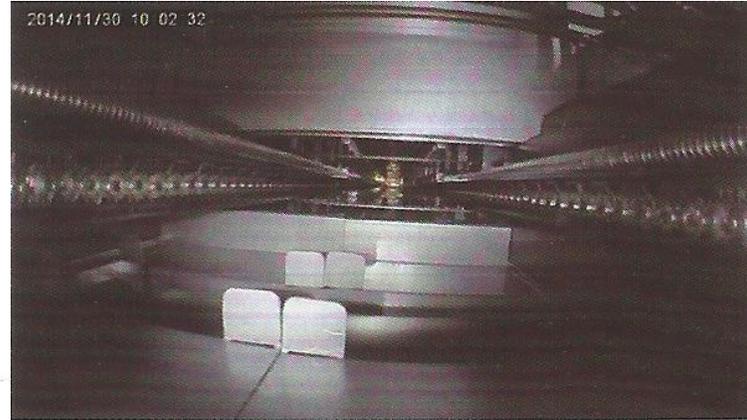
Uisys are distributor of IMT and SMT temperature profile in South Korea. since from 2001 Uisys has released high quality products with very affordable prices without sacrificing product quality by providing temperature profile solutions for soldering and reflow equipment based on its original technology.



What happen Inside the reflow oven???

The Profiler with the built-in camera is the solution...

UI-HICAM (Reflow in-line camera)



- ❖ camera is divided into discrete modules and wide angle lens for shooting close-alone modules for the atmosphere recorded.
- ❖ Fold using a standard PCB that is built to order production is possible, separated by only mounting, the camera is possible to measure the actual PCB production.
- ❖ The Internal memory storage system without the noise in accordance with the wireless transmission



Specification

Items	Details
Battery	12V, Rechargeable
Operation Hours	Continuously for 1 hours (room temperature)
Operation / Storage Temperatures	0~300°C / 0~40°C
Dimension	300x73x26 (control) / 385x85x35 (Out)

Items	Sensor	Measuring S	Errors(s)
Temperature Measurement	KK-type	0~400°C	±2°C
Sampling	Thermocouple	0.3, 0.6, 1.2 and 2.4 sec	
Measurement Time		10 Minutes	
Internal Storages		2	

Specification	Minimum Requirement
Operation System	Windows 95, 98 , ME, 2000, XP, 7 , 8
Processor / Memory	Pentium 4 and later / 2GB Ram and more
HDD / CD-ROM	200GB and more / CD-ROM (Program Installation)
Video Card / Connection	1024x768, 16 bit and more / USB
Video Measurement Info	HD (1280x760) / 1 minute Composite
Video Storage Capacity	Depending on the size of the external memory
Vibration measurement Info	2G Gravity acceleration sensor

UI-301A



Available in PbFree Reflow Checker



- ❖ Adjustable sampling speed & low power
- ❖ Result storage up to 5 times

- ❖ Measurement of max. 6 channels
- ❖ Protection for internal circuits
- ❖ Data converted to excel files
- ❖ Monitoring for low battery
- ❖ Measurement Analysis
- ❖ Data Comparison
- ❖ Graph Prediction
- ❖ Data Filtering

UI-302



Available in PbFree Reflow Checker

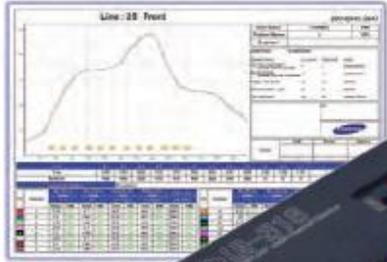


- ❖ Display real time measurement data
- ❖ Designed for low power

UI-316



Available in PbFree Reflow Checker



- ❖ Adjustable sampling speed & low power
- ❖ Measurement of max. 16 channels

- ❖ Protection for internal circuits
- ❖ Data converted to excel files
- ❖ Monitoring for low battery
- ❖ Measurement Analysis
- ❖ Max. 2 data storage
- ❖ Data Comparison
- ❖ Graph Prediction
- ❖ Data Filtering

UI-316S



Available in PbFree Reflow Checker



- ❖ Adjustable sampling for speed & low power
- ❖ Measurement of max. 11 channels
- ❖ Applicable for small scale (<70mm)

UI-315A



Available in PbFree Wave Checker



- ❖ Measurement of max. 6 channels
- ❖ PC based Profile
- ❖ Different dip-time by depth
- ❖ Balanced sides
- ❖ Measurement analysis
- ❖ Data converted to Excel files
- ❖ Max. 5 storages
- ❖ Soldering / Preheating temperature
- ❖ Data filtering

Items	Sensor	Items	Sensor
1st Dip Time	Left, Center, Right	1st & 2nd 0.9mm Dip	Left, Right
2nd Dip Time	Left, Center, Right	1st & 2nd 0.6mm Dip	Left, Right
1st & 2nd 1.8mm Dip	Left, Right	Preheat	Upper & lower sides of PCB
1st & 2nd 1.5mm Dip	Left, Right	Max. PCB Temperature	Upper & lower sides of PCB
1st & 2nd 1.2mm Dip	Left, Right	Solder, C/V	Solder temperature, conveyor speed

UI-315S



Available in PbFree Wave Checker



- ❖ Measurement of max. 6 channels
- ❖ PC based Profile
- ❖ Different dip-time by depth
- ❖ Balanced sides
- ❖ Measurement analysis
- ❖ Data converted to Excel files
- ❖ Max. 5 storages
- ❖ Soldering / Preheating temperature
- ❖ Data filtering
- ❖ C/V Speed
- ❖ Customized Size (fix 95mm , from 125mm)
- ❖ One device is applicable for multiple ZIGs

Items	Sensor	Items	Sensor
1st Dip Time	Left, Center, Right	1st & 2nd 0.9mm Dip	Left, Right
2nd Dip Time	Left, Center, Right	1st & 2nd 0.6mm Dip	Left, Right
1st & 2nd 1.8mm Dip	Left, Right	Preheat	Upper & lower sides of PCB
1st & 2nd 1.5mm Dip	Left, Right	Max. PCB Temperature	Upper & lower sides of PCB
1st & 2nd 1.2mm Dip	Left, Right	Solder, C/V	Solder temperature, conveyor speed

UI-3052



Available in PbFree Wave Checker



- ❖ Preheat temperature of upper and lower sides
- ❖ Measurement of max. 3 channels
- ❖ Different dip-time by depth
- ❖ Low cost wave checker
- ❖ Solder temperature
- ❖ Balanced sides
- ❖ Data filtering
- ❖ C/V Speed

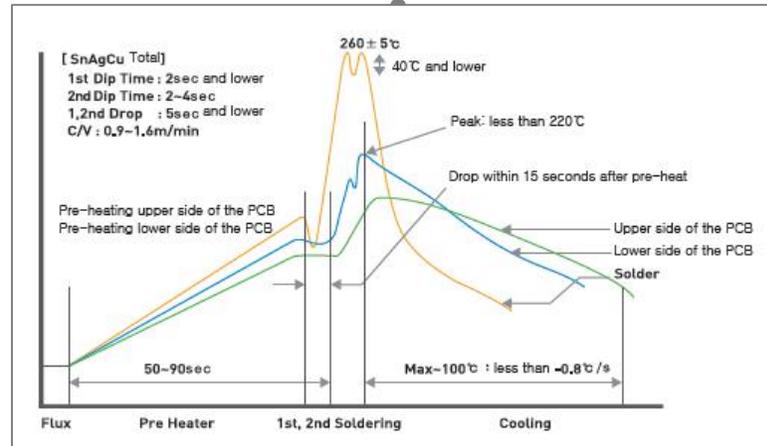
UI-353



Available in PbFree Wave Checker



- ❖ Soldering / Preheating temperature
- ❖ Measurement of max. 6 channels
- ❖ Customized size (from 125mm)
- ❖ Different dip-time by depth
- ❖ Data convert to Excel files
- ❖ Measurement analysis
 - ❖ PC based profile
 - ❖ Max. 5 storages
 - ❖ Balanced sides
 - ❖ Data Filtering
 - ❖ C/V Speed



UI-O₂10KA



Available in PbFree, In-line O₂ Analyzer

- ❖ PC based O₂ profile
- ❖ In-line O₂ measurement
- ❖ Result storage up to 5 times
- ❖ Data converted to Excel files
- ❖ Analysis & comparison of measurement
- ❖ Precision measurement : 0ppm~1,000ppm
- ❖ Standard measurement : 0ppm~10,000ppm
- ❖ Wide area Measurement : 0ppm~250,000ppm



Measurement

Items	Sensor	Measuring scope	Error(s)
Oxygen measurement	Zirconia	0ppm~1,000ppm 0ppm~10,000ppm 0ppm~250,000ppm	±3%
Sampling		0.3, 0.6, 1.2 and 2.4sec	
Measurement time		10, 20, 40 and 80minutes	
Internal Storages		5	

UI-550



Station mounted type, In-line O₂ Analyzer



UI-550 can detect up to 50ppm of oxygen at 25% (higher density than the atmosphere), and convert output data according to PC transmission inquiries (connection, low voltage, or current) UI-550 can detect 13CH with selected options.

Measurement

Items	Sensor	Measuring Scope	Error(s)
Oxygen density	Zirconia	25%~50ppm	±2%
Sampling		For 100 sec at initial stage, by 1 sec	

General Information

Items	Details
Fitting	Externally 6mm
Option	Max. 13CH
Dimension	390 ×195×235



EFFICIENCY

COST

QUALITY

*Thank
You!!!*