

MSC300U Thermo Profile Checker

MSC300U is used with the windows PC. (with USB 2.0 interface)

It is reasonable cost instruments.

It has 3 colors of 3 channels graph.

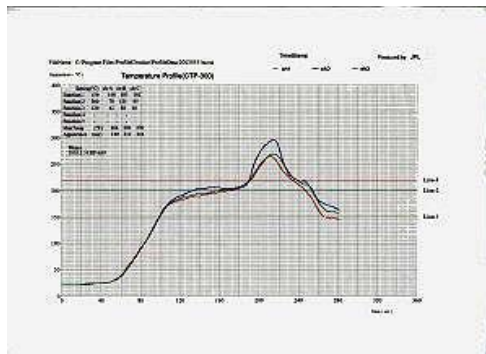
The software can be analyzed of the data. (a peak data and a time interval data for each channels)

The data can be printed out through the PC. (at A4 size paper)

The data can be conversion to CSV format. (for Windows Excel)

Outline of Operation

MSC300U Thermo profile checker is for temperature profile measuring when reworking and or reflow process. The sensor is used of the CA K type thermocouple, and it has three input terminals. The checker is used with widows PC, they should be connected by USB2.0 cable. The data can be printed out with the form specified to the A4 size paper. Of course, the data can be color specification.



A sample data of Printed out



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Thermo profile Checker

Analysing

The software which can do analysis of a time interval and a peak data is attached. The time interval is possible for every channel five data, If the set up temperature data is inputted. Then, each time data is obtained. Of course, it is also a peak temperature data. Those data is printed out, with the graph data. The maximum Y data is 400 C degrees and also X data is 12 minute (720m seconds.). It is because, MSC300U is only for reworking and or reflow process.

The sensor

The attached sensor is 0.2mm Diameters x 3 m CA K type. We are also preparing the sheet type sensor of 0.35mm thickness as the option. It is convenient to measure to surface temperature of the board and or packages such as BGA. The sensor kit is model ST50K (Option)



How to use the sensor

The sensor must be completely contacted to the board or the package. The graph will become zigzag, if the sensor not completed contacted to the subject. In that case, it has to adhesion to the subject. Since, the all most all mistake of temperature measuring will be a mistake by sensor trouble. Exactly temperature measurement is indispensable to exactly reworking.

Specifications

Item	Specification
Input CH	3CH color
Temperature Range	0--400C degrees
Time Range	0--12 min (720 sec) Max.
Data Sampling	1 sec.
Resolution	0.5 C degree
Sensor	CA (K)
Data Monitor	Windows PC
Operation Software	98/ME/2000/XP
PC	Pentium 200MHz or more
Monitor	VGA640x480 or more
Power	200--240V 3VA
Dimension	200L x 250D x 60Hmm
Weight	0.5Kg approx.

The specification are subject to change without notice.



Standard Accessory:

1. AC power cable x 1
2. USB cable x 1
3. CA(K) sensor 0.2Dmm x 3M x 3
4. High Temperature Tape x 1
5. Software CD x 1