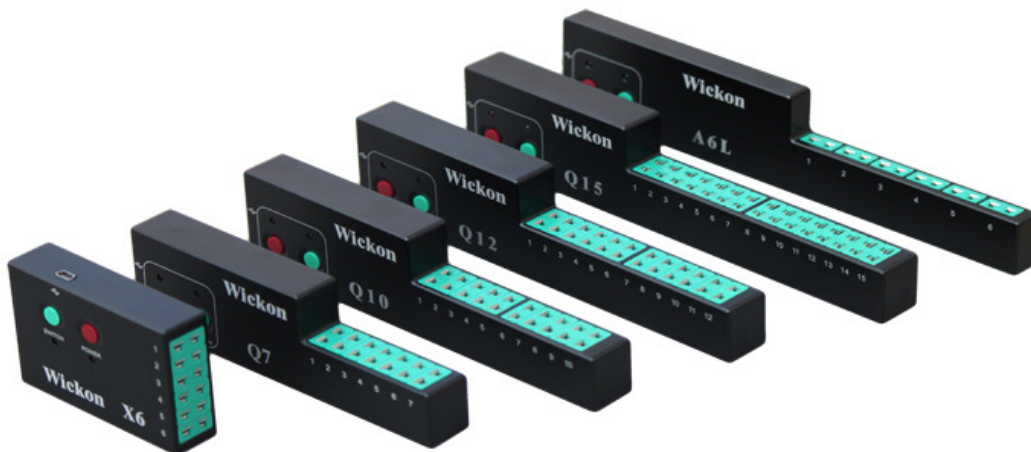


WICKON Thermal Profiler



WICKON Temperature curve for overall monitoring

Conduct industry for high temperature (sintering furnace, annealing furnace, IR oven, spraying, reflow and wave soldering) statistical analysis process, enabling more precise control of product quality, increase productivity, reduce scrap rate, to reduce product cost object .

Our SURVEYOR adjustable enhancements can be controlled furnace temperature stability, thus the maximum extent possible to reduce the amount of board we tested in the company's cost savings, but also improve work efficiency.

Temperature chart recorder is also equipped with fast oven settings will help you more efficiently into the lead-free process. Whenever introducing a new product or solder paste needs to be optimized for the oven setting - which is often - a time-consuming process. Best Ovens set an arbitrary combination of fast oven set (ROS) by calculating from Wickon oven, the product and the

target temperature curve to make this process automatic .ROS can be completed within seconds of experienced process engineers need several hours to complete the work.

High efficiency, continuous data storage 24 times, downloaded to a computer packet analysis and processing;

Modular analysis mode, simple, fast analysis system based on PC (Windows) and PDA (Pocket) for data analysis;

**Low power, battery, continuous use up to 168 hours
365 ultra-long standby, without deliberately charging;**

Using the USB communication mode, for a variety of working environments and application areas

Rigorous manufacturing process and accurate calibration services, all calibration are used FLUKE-724 school, Plus, with China's largest CTI calibration institutional partners.

Ensure that each machine is accurate, reliable, small size, large storage capacity (5,000,000 data Point), using FLASH memory chips, any accident will not lose data;

High stability, Fairly long life, there is now a lot more than a decade of use WICKON life company

Multi-channel recorder obtained maximum temperature curve element.

Insulated box can cope with the harshest hot deputy shot process (using black box technology)

Powerful Insight software is now with the process of measuring volatility, temperature profile and the ability to predict the SPC calculations.

(1) Data Logger

Wickon the Q series data loggers are reflow process used nowadays most accurate recorder. It has a precision of ± 0.5 , 0.1 degree resolution and 5,000,000 readings more storage capacity, it can provide detailed information on the depth of the analysis process. USB X Series has a direct communication characteristics, so that the information can be transmitted as quickly as possible from the data logger to the PC.

(2) Hot box

Wickon used in lead-free soldering under the protection of the common high temperature recorder. It uses the "black box" flight recorder on an aircraft instrument same insulation technology, it is enclosed in a rugged stainless steel housing.

(3) The basic principles of thermocouple

A conductor or semiconductor and B of two different materials welded together to form a closed loop. When the temperature difference between the two contacts conductors A and B, will generate thermoelectric power between the two, a phenomenon known as the thermoelectric effect. Thermocouple is to use this effect to work.

(4) Insight Software Features

Guide

All common functions are wizard-based, such as tolerance curve, process documents. Even with fairly complex analysis, the wizard guides you step by step through the process of testing the temperature profile, ensure the completion of all stages of testing and reduces training time.

Alarm

Available new alarm feature to alert you when an error. A numerical analysis can give any domain set up alerts. If a limit value is exceeded, an alert appears on the screen so that you can quickly identify the problem.

Historical data SPC Calculation

Insight software enables users to quickly and easily using the temperature profile data for historical SPC calculations. Thus - to the stability and capacity of the welding process can be tested.



Specification:

Project	Description
Commodity	temperature curve tester
Temperature range	-200°C--1370°C
Operating tempature	0-105°C
The total storage capacity	4,000,000points
Battery	Without deliberately charging, automatic replenishment capacity, the real 365 without charge
Number of Channels	6、7、10、12、15、24、32
Sampling interval	0.05s ~ 86400s (Can be set according to the testing requirements)
Thermocouple Types	K
Accuracy	±0.5 °C
Battery Type	Rechargeable lithium polymer battery
Insulated box Weight (kg)	Depending on the different specifications and different heat time
Insulated box size (mm)	Different specifications and heat time to decide



WICKON profile Advantages:

- 1.Ensure that products meet the welding specifications**
- 2.Highlighting the hot furnace cooling**
- 3.Set oven to save time and money required**
- 4.So that production can be maximized**
- 5.Provide ISO9000 traceability process required proof**

Use these steps for profile :

- 1. Set: Reset data logger and temperature measuring probe is connected to the product.**
- 2. through the process: the recorder placed in insulated boxes. The recording device with the product through the high-temperature furnace to record millions of temperature readings.**
- 3. Analysis: Insight software to understand the situation exactly the furnace is happening.**