



Affordable, Easy to Use Profiler

KICstart² Advantages

- Affordable
- Quick,
Convenient,
Accurate Profiling
- Easy to Use
Software
- Reliable, Robust
Hardware
- 24 Hour Customer
Support



Exceptional Value

The KICstart²™ thermal profiler utilizes core technologies developed by KIC, *the world's premier thermal profiling company*, and is supported by KIC's worldwide organization. Packaging these innovative technologies into a low-cost system, the KICstart² is an ideal cost effective thermal profiler.

Ease of Use

The KICstart² profiler has everything you need to quickly acquire an accurate profile, without complicated features that can slow you down. For applications where all you want is your product's thermal profile, immediately with no fuss, the KICstart² is for you. The patented design concept automatically identifies the location of each oven heating zone, so no or few measurements are required. This design automatically corrects for different TC locations on the part, aligning them for improved profile graph viewing. Production down time is reduced when using the Manual Prediction software which enables the process engineer an instant "trial and error" capability when searching for more suitable oven recipes. The profiling data is automatically transferred to a PC when plugging in

the USB cable. With its easy to use and intuitive software, new personnel can be trained in record time.

Instant Process Analysis

Once your profile has completed, the KICstart² automatically analyzes your process using the Process Window Index™ (PWI™). The PWI is a single number that measures how well your profile fits within your product's thermal process window (See the Process Window Index data sheet for details). The PWI provides an instant and objective conclusion whether your product profile is in spec, eliminating guesswork and opinion from process analysis. This helps you ensure that all your products on all your lines are manufactured with measurable, consistent quality.

Reliable and Robust

The superior accuracy and reliability of the KICstart² is nothing less than you would expect from KIC's award winning product line. The KICstart² is a six thermocouple datalogger unit that utilizes solid state technology designed to withstand the daily or weekly thermal cycles for years to come, for both lead-free and leaded assemblies.

Thermal Profiler

KICstart your thermal process today!



KICstart²

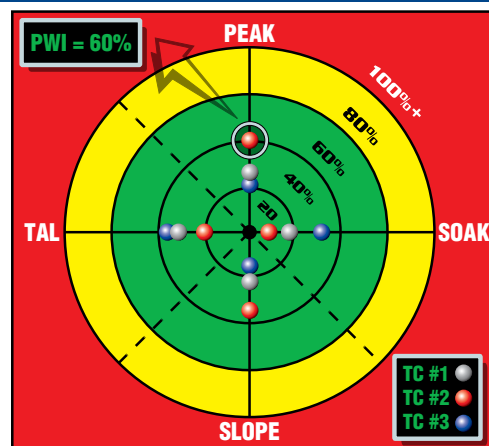
Accuracy: $\pm 0.5^{\circ}\text{C}$
 Resolution: Variable 0.3 to 0.1 $^{\circ}\text{C}$
 Internal Operating Temp: 0 $^{\circ}\text{C}$ to 105 $^{\circ}\text{C}$
 Sample Rate: 0.002 to 10 readings/sec
 Data Points: 45,000
 PC Connection: USB 2.0 (Std-A/Mini-B)
 Power Requirements: 9V alkaline battery
 Thermocouple Compatibility:
 6 Channel Unit: Type K, Standard
 Temperature Range: -150 $^{\circ}\text{C}$ to 1050 $^{\circ}\text{C}$
 Dimensions (LxWxH):
 6 Channel Unit:
 205mm x 66mm x 20mm
 Thermal Shield: See *Temperature Tolerance Table* below for specifications.

Datalogger Model: data are downloaded to the computer through a USB cable after the run.

Note: The KICstart² software is dongle protected.

Accuracy based on factory calibration.

THE PROCESS WINDOW INDEX™



Profiling Reduced to a Single Number

The PWI measures the profile's fit to the process window in a mathematical and objective manner by using a single number. This aids in optimizing the process by comparing and ranking alternative profiles in terms of their fit to the available process window. The lower the PWI, the more efficient and stable the process! (See the PWI data sheet for a detailed explanation)

TEMPERATURE TOLERANCE TABLE

(maximum endurance in minutes at specified temperature)

| Shield | DIMENSIONS (mm) (Length x Width x Height) | 150 $^{\circ}\text{C}$ | 200 $^{\circ}\text{C}$ | 250 $^{\circ}\text{C}$ | 300 $^{\circ}\text{C}$ |
|---|--|------------------------|------------------------|------------------------|------------------------|
| Cool Touch Stainless Steel Shield, 6 CH | 296 x 80 x 29 | 21 | 14 | 10 | 8 |

KICstart² Kit Contents

| | |
|-----------------------------|---------------------------|
| Profiler | Thermocouples |
| Thermal Shield | Carrying Case |
| Software on USB Flash Drive | Electronic User Manual |
| Software Protection Dongle | Electronic Hardware Guide |
| USB Cable (A Male/Mini-B) | Getting Started Guide |
| 9 Volt Batteries (4) | Calibration Certificate |

COMPUTER CONFIGURATION

Minimum System Requirements

Dual Core / 1 GHz Processor PC with 2 GB RAM
 2 GB available storage
 Video 1024 x 768 resolution / 16-bit
 1 available USB port (for data download)
 1 available USB port (for software key)
 Visit our website at <http://kicthermal.com/support-download/os-compatibility-chart> for product compatibility with Windows operating systems.



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Technical Support

24 Hours Every Day

Everywhere

Risk Free Guarantee

All KIC products are designed to give maximum value and fast payback by streamlining your thermal process. Investment in a KIC product is a step toward total process control and quality management. All KIC products come with a no questions asked, 30 day money back guarantee.

For more information on any of our products or service please visit us on the Web at: www.kicthermal.com or www.kic.cn.

Service Available

Technical Support
 Installation and Setup
 Application Support
 Hardware Support
 Guaranteed Warranty