

K²

Advantages

Ease of Use

Oven Setup Software

Viewing on Mobile Devices

Support

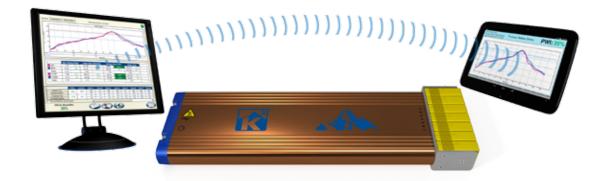
24 Hour World Class Customer

Robust Hardware



The New KIC Profile Setter

Conveniently view and share profiles on mobile devices



New Generation Mid-Range Profile Setter

- New generation profile setter replaces the last of KIC's older technology profilers
- Competitively priced for the mid-range market

Compact and Robust Hardware

- The K² will fit through the tight heated chambers often found in lead-free production
- 7 TC unit dimensions:
 - 206 x 60 x 17 (mm)
 - Shield: 302 x 75 x 23 (mm)
- 9 TC unit dimensions:
 - 206 x 75 x 17 (mm)
- Shield: 312 x 90 x 23 (mm)
 Durable hardware designed to withstand rough production environments

Fail-Safe Operation

- Automatic start when temperatures are below a specified 'start' trigger, protecting the K² and assuring consistent starting points and repeatable profiles
- Hardware designed for accurate measurements
 - Engineer sets quality and productivity related parameters:
 - PWI level
 - Minimum/maximum allowable conveyor speed
 - Maximum peak temperature, etc.
- For use by operators, technicians and engineers

Oven Setup Software

- KIC's optimization software does a complete search for all possible combinations of oven zone temperatures and conveyor speeds. It selects the very best oven setup for each new product within seconds
- User selectable setup criteria focuses on positioning the profile towards:
 - \checkmark the center of the process window
 - ✓ maximum conveyor speed
 - minimum oven electricity usage

Instant and Objective Profile Analysis

- KIC's famous Process Window Index (PWI) explains how the profile fits the established process window, with a single number:
- ✓ PWI above 100 = profile out of spec
 - PWI at 100 = profile right on the spec limit
 - ✓ PWI below 100 = profile in spec
 - ✓ PWI at 0 = the exact center of the process window
- Immediate profile analysis
- Objective and personnel-independent profile analysis
- Outlying profile data made visible

Accessing the K² Profile Data on the PC or Mobile Device

- The profile data can be displayed in two ways:
 - $\checkmark \qquad \text{On the oven PC or profiling PC}$
 - On an Authorized Android mobile device
- Convenient sharing function for selected profile data

Mobile Device Compatible

Thermal Profile Setter



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



Accuracy:	± 0.5°C
Resolution:	0.1°C
Internal Operating Temp:	0°C to 85°C
Sample Rate:	0.1 to 10 readings/sec
Data Points:	224,640
PC Connection:	USB 2.0 (Std-A/Mini-B)
Power Requirements:	(3) AAA batteries
Thermocouple Compatibility:	
7, 9 Channel Unit:	Type K, Standard
Temperature Range:	150°C to 1050°C
Dimensions (L x W x H mm):	
7 Channel Unit:	206.0 x 60.0 x 17.0
9 Channel Unit:	206.0 x 75.0 x 17.0
Thormal Shields:	See Temperature

Thermal Shields:See *Temperature Tolerance Table* below for specifications.

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

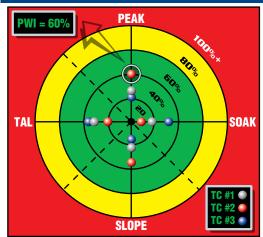
KIC's Mobile Profile Viewer is WiFi and Bluetooth compatible.

Note: The KIC software may interface directly with some oven controllers, eliminating the need for manual setpoint data entry. Please consult your oven supplier for availability. The KIC software is donale protected.

Accuracy based on factory calibration.

TEMPERATURE TOLERANCE TABLE

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)

(maximum endurance in minutes at specified temperature)

CONFIGURATION	DIMENSIONS (mm) (Length x Width x Height)	150°C	200°C	250°C	300°C	350°C	400°C
Cool Touch Stainless Steel Shield, 7CH	302 x 75 x 23	17.5	12.0	9.0	7.7	6.5	
Cool Touch Stainless Steel Shield, 9 CH	312 x 90 x 23	18.1	13.1	10.1	8.4	6.7	
HT Shield 400	298 x 106 x 29	24.9	17.6	14.0	11.5	10.1	9.2

K ² Kit Contents					
Profile Setter	Carrying Case				
Thermal Shield	Thermocouples*				
Software CD	Electronic User Manual				
Software Protection Dongle	Electronic Hardware Guide				
USB Cable (A Male/Mini-B)	Gloves				
AAA Batteries (6)	Getting Started Guide				
Scissors	Calibration Certificate				
* These items may vary according to specific models ordered.					

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/supportdownload/os-compatibility-chart for product compatibility with Windows operating systems.



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