Wave Profiler Fixture

Wave Surfer Advantages

- Quick wave solder machine set up
- Profile preheat and wave sections
- Measure wave parameters
- Optimize preheat with optional software
- Check conveyor speed
- Track machine repeatability

Check your wave soldering process and fine-tune your machine for optimum performance with the KIC Wave Surfer™.

The Wave Surfer fixture can be used in conjunction with a 6, 7, or 9 channel KIC profiler along with the KIC software, and provides critical data on wave solder machine set up and performance. This system helps ensure your wave solder machine is set up and performing properly.

The Wave Surfer and KIC profiler travel through the machine and collect thermal data in the preheat area using a sample PCB. They then collect specific wave information in the wave using embedded TCs.

TECHNICAL SPECIFICATIONS

Dimensions (L x W x H): 411mm x 305mm x 37mm (16.2” x 12” x 1.5”)

Weight: 2.509kg (5.531 lbs) without profiler and sample PCB

Max Temperature: 350°C

Thermocouples:
- Wave Surfer Fixture: 5 Type K, sheathed 1mm (0.04”)
- Profile Board: 5 Type K, Teflon insulated .25mm (.01”)

Pallet Material: Durastone, Black, Anti-Static

Hardware: Titanium and Stainless Steel

TC Protrusion: 0.1mm (.004”)

Protrusion Tolerance: ±0.1mm (±.004”)

Max Difference of all TCs: 0.05mm (.002”)

The standard KIC Wave Surfer consists of:
- KIC Wave Surfer fixture complete with embedded thermocouples that meet or exceed special limits of error type K thermocouples.
- RoHS Compliant
- 2 Sample PCB’s (light and heavy)
- 5 Self-Adhesive, Type K TC’s
- KIC software and User Manual including a section on using the KIC Wave Surfer with your KIC profiler.

The Wave Surfer is made of material similar to typical wave solder pallets and therefore can withstand thousands of passes.

See the profiler product data sheets for thermal profiler features and specifications.