

## Complete soldering station 50 W with SHP-K handpiece for K series tips - Thermaltronics TMT-2000S-K (UPG)

Item no. WL37523

Manufacturer Thermaltronics

A new soldering bench needs more than the power supply: handpiece, stand, sponge and brass braid all belong to it. The TMT-2000S-K bundles those around the TMT-2000PS power unit and the SHP-K handpiece for K series tips. At 50 W output the idle stability is +/- 1.1 °C and the enclosure stays below 50 °C.

### TECHNICAL DATA

|                    |              |
|--------------------|--------------|
| Power              | 50 W         |
| Temperature (max.) | up to 500 °C |
| Temperature range  | 325-475 °C   |
| Weight             | 0.1 kg       |



### STANDARDS & COMPLIANCE

ESD safe IEC 61340-5-1

### DESCRIPTION

This bundle turns an empty bench into a working soldering station. At its centre sits the TMT-2000PS power supply with Curie control at 470 kHz, joined by the SHP-K handpiece for K series tips, the SHH-4 stand and the usual cleaning set.

### BENEFITS

- Idle temperature stability of +/- 1.1 °C with no manual correction
- Maximum power output 50 W at an output frequency of 470 kHz
- Tip to ground voltage below 2 mV and resistance below 2 Ohms DC, suitable for ESD sensitive assemblies
- Enclosure surface resistance  $10^5$  to  $10^9$  Ohms/sq, maximum enclosure temperature 50 °C
- No training needed for calibration or operation, no extra cost for coil mounting

### TECHNICAL DATA

|             |             |
|-------------|-------------|
| Item number | WL37523     |
| Model       | TMT-2000S-K |

|                                             |                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Manufacturer                                | Thermaltronics                                                                                             |
| Manufacturer item number                    | TMT-2000S-K (UPG)                                                                                          |
| Station type                                | Soldering station                                                                                          |
| Included control unit                       | TMT-2000PS                                                                                                 |
| Included handpiece                          | SHP-K                                                                                                      |
| Included stand                              | SHH-4, optional SHH-5                                                                                      |
| Suitable tips                               | K series tips                                                                                              |
| Max. power output                           | 50 W                                                                                                       |
| Mains voltage                               | TMT-2000PS 100-240 VAC, 55 W                                                                               |
| Frequency                                   | 50/60 Hz                                                                                                   |
| Output frequency                            | 470 kHz                                                                                                    |
| Fuse                                        | TMT-2000PS 250 V 1 A slow blow (Slo-Blo)                                                                   |
| Idle temperature stability                  | +/- 1.1 °C                                                                                                 |
| Maximum enclosure temperature               | 50 °C                                                                                                      |
| Surface resistance                          | 10 <sup>5</sup> - 10 <sup>9</sup> Ohms/sq                                                                  |
| Tip to ground voltage                       | below 2 mV                                                                                                 |
| Tip to ground resistance                    | below 2 Ohms DC                                                                                            |
| Included accessories                        | RMP-1 protective cloth for tip removal, BC-1 brass braid, SPG-1 sulfide-free sponge, CC-1 connection cable |
| Dimensions (LxWxH)                          | 92 mm x 110 mm x 155 mm                                                                                    |
| Dimensions with packaging (LxWxH)           | 240 mm x 190 mm x 180 mm                                                                                   |
| Dimensions with packaging in inches (LxWxH) | 9.4 in x 7.5 in x 7.1 in                                                                                   |
| Order unit                                  | piece                                                                                                      |

## APPLICATIONS

Production soldering and board rework, setting up repair benches, training and laboratory stations, and any work with ESD sensitive components where tip potential has to be documented.

## COMPATIBILITY AND SCOPE OF DELIVERY

Delivery covers the TMT-2000PS power supply, the SHH-4 stand (SHH-5 optional), the SHP-K soldering handpiece, the RMP-1 protective cloth for tip removal, the BC-1 brass braid, the SPG-1 sulfide-free sponge and the CC-1 connection cable. K series tips are used and chosen by shape and width to match the joint.

Tip to ground voltage and resistance meet the requirements placed on hand soldering tools inside an EPA to IEC 61340-5-1.