

Inductive soldering station 40 W 13.56 MHz with SHP-1 handpiece - Thermaltronics TMT-9000S-2

Item no. WL37535

Manufacturer Thermaltronics

Hand soldering on temperature-critical assemblies needs a tip that holds its own temperature without a control loop. The TMT-9000S-2 works on the Curie point principle at 13.56 MHz with 40 W output and keeps idle temperature stable to ± 1.1 °C. It ships complete with the TMT-9000PS power unit, SHP-1 handpiece, SHH-1 stand and M7CH176 tip.

TECHNICAL DATA

Power	40 W
Temperature (max.)	bis 500 °C
Temperature range	325-475 °C
Weight	0.1 kg



STANDARDS & COMPLIANCE

IEC 61340-5-1

DESCRIPTION

The TMT-9000S-2 is an inductive soldering station for electronics production and repair in which the working temperature is not dialled in at the power unit but defined by the Series M cartridge tip fitted. The 13.56 MHz supply delivers up to 40 W and matches its output to the heat demand of the joint, so no calibration routine is required.

BENEFITS

- Idle temperature stability of ± 1.1 °C with no operator readjustment
- 40 W power output at 13.56 MHz for high thermal efficiency at the joint
- Two-stage solder ports and an integrated LCD display measuring 60 mm x 16 mm
- Tip-to-ground voltage below 2 mV and resistance below 2 ohms for sensitive components
- No training needed for calibration or operation and no extra cost for coil mounting
- Direct replacement for the Metcal MX-500S-21

TECHNICAL DATA

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Model	TMT-9000S-2
Manufacturer	Thermaltronics
Manufacturer item number	TMT-9000S-2
Station type	Soldering station
Mains voltage	220-240 VAC (TMT-9000PS-2)
Frequency	50/60 Hz
Output frequency	13.56 MHz
Max. power output	40 W
Fuse	250 V 0.5 A Slo-Blo
Idle temperature stability	+/- 1.1 °C (2 °F)
Maximum enclosure temperature	50 °C (122 °F)
Surface resistance	10 ⁵ - 10 ⁹ ohm/sq
Tip to ground voltage	below 2 mV
Tip to ground resistance	below 2 ohms
LCD display	60 mm x 16 mm
Dimensions (LxWxH)	132 mm x 118 mm x 212 mm
Dimensions with packaging (LxWxH)	380 mm x 240 mm x 190 mm
Dimensions with packaging in inches (LxWxH)	15 in x 9.4 in x 7.5 in
Suitable tips	Series M
Included control unit	TMT-9000PS
Included handpiece	SHP-1
Included stand	SHH-1
Included soldering tip	M7CH176
Included accessories	RMP-1 tip removal protection cloth, SG-1-GR soldering handpiece green handle, SG-1-GY soldering handpiece grey handle, BC-1 brass braid, SPG-1 sulfide-free sponge
Order unit	Piece

APPLICATIONS

Hand soldering and rework on populated boards, prototype building and service work on controllers and assemblies with mixed ground planes. Because the tip itself sets the temperature, the station suits production areas where several operators share the same bench equipment and the process temperature has to stay reproducible.

COMPATIBILITY AND SCOPE OF DELIVERY

The station accepts Series M cartridge tips, which can be selected freely by geometry and temperature class. Supplied are the TMT-9000PS power unit, the SHP-1 handpiece, the SHH-1 stand,

the M7CH176 tip and the accessory set consisting of the RMP-1 protection cloth, the SG-1-GR and SG-1-GY soldering handpieces, the BC-1 brass braid and the SPG-1 sulfide-free sponge.

Tip-to-ground figures below 2 mV and below 2 ohms together with the dissipative surface resistance of the housing make the station suitable for use in EPA areas to IEC 61340-5-1.