

Soldering station 50 W Curie technology with SHP-SM handpiece - Thermaltronics TMT-2000S-SM

Item no. WL37527

Manufacturer Thermaltronics

Compact 50 W soldering station with Curie heat technology at 470 kHz and ESD-safe SHP-SM handpiece. Tip-to-ground below 2 ohms and below 2 mV, suited to sensitive electronics. Replaces Metcal MFR-1160 systems.

TECHNICAL DATA

Ausführungsklasse	ESD (antistatic)
Country of Manufacture	United States
HS-Code	85152900000
Power	50 W
Temperature (max.)	bis 500 °C
Temperature range	325-475 °C
Weight	1.3 kg



STANDARDS & COMPLIANCE

ESD safe IEC 61340-5-1

DESCRIPTION

The Thermaltronics TMT-2000S-SM is a compact soldering station with Curie heat technology: the handpiece self-regulates via the Curie temperature of the tip, with no temperature setting or calibration. With the ESD-safe SHP-SM handpiece and a weight of just 1.3 kg, it suits ESD-compliant electronics manufacturing. It replaces Metcal MFR-1160 systems.

BENEFITS

- Curie heat technology at 470 kHz, no calibration required
- 50 W output, compact at just 1.3 kg
- Tip to ground below 2 ohms DC and below 2 mV, ESD-safe
- Uses the S-series tips

APPLICATIONS

- Lead-free hand and rework soldering in electronics manufacturing
- ESD workstations for sensitive assemblies

COMPATIBILITY AND SCOPE OF SUPPLY

- TMT-2000PS power supply unit
- SHH-4 soldering iron stand (optional SHH-5)
- SHP-SM soldering handpiece
- RMP-1 protection pad for tip removal
- BC-1 brass braid
- SPG-1 sulfide-free sponge
- CC-1 connection cable
- Uses S-series tips, replaces Metcal MFR-1160 systems

TECHNICAL DATA

Mains voltage	100-240 VAC, 50/60 Hz
Max. power output	50 W
Operating frequency	470 kHz (Curie)
No-load stability	+/- 1.1 °C
Voltage tip to ground	< 2 mV
Resistance tip to ground	< 2 ohms DC
Surface resistance	10 ⁵ - 10 ⁹ ohm/sq
Fuse	250 V 1 A Slo-Blo
Dimensions (W x H x D)	110 mm x 155 mm x 92 mm
Weight	1.30 kg
Tip series	S-series
Model	TMT-2000S-SM
Manufacturer no.	TMT-2000S-SM
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Power supply 100-240 VAC, 50/60 Hz. Surface resistance 10⁵ to 10⁹ ohm/sq, ESD-safe to IEC 61340-5-1.