

USER MANUAL

TMT-9000S

CURIE HEAT TECHNOLOGY SOLDERING/REWORK STATION



TABLE OF CONTENTS

TMT-9000S SPECIFICATIONS	1
INTRODUCTION	1
SYSTEM FEATURES	2
HANDPIECE FEATURES	3
WORKSTAND FEATURES	3
UNPACKING/ASSEMBLY/OPERATION	4
TIP CARTRIDGE REPLACEMENT/CARE	5
ORDERING GUIDE	6

WARRANTY

All equipment and accessories are warranted by Thermaltronics to be free from defects in materials and workmanship as follows:

Part Number	Description	Warranty Period
TMT-9000PS-1	100-110V Power supply	4 Years
TMT-9000PS-2	220-240V Power supply	4 Years
SHP-1	Handpiece	90 Days
SHH-1	Workstand	90 Days

This warranty does not apply to equipment or goods which have been tampered with, misused, damaged through improper installation or used in a manner contrary to supplier instructions. Normal “wear and tear” of equipment or goods is not covered by this warranty. If the product should become defective within the warranty period, Thermaltronics will repair or replace it free of charge at its sole option. Warranty period is from the date of purchase by the original owner. If the date of purchase cannot be substantiated the date of manufacture will be used as the start of the warranty period.

WARNING:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

This tool must be placed on its stand when not in use.

TMT-9000S SPECIFICATIONS

Input Line Voltage:	TMT-9000S-1	100-110 VAC, 0.6A
	TMT-9000S-2	220-240 VAC, 0.35A
Tip to Ground Potential:		<2mV, true RMS 50-500Hz
Tip to Ground Resistance:		<2 Ohms DC
Idle temperature Stability:		+/- 1.1°C (2 °F)
Maximum Enclosure Temperature:		50 °C (122 °F)
Fuse:	TMT-9000S-1	250V 1A
	TMT-9000S-2	250V 0.5A
Output Frequency:		13.56 MHz
Size (W x H x D):		212.4mm x 118mm x 132mm
Weight:		3.47 KG
LCD display:		60mm x 16mm
Input Line Frequency:		50/60 Hz
Certification Marks:	TMT-9000S-1	cTUVus
	TMT-9000S-2	CE, GS

Power cord not included, please use 3-Wire Grounded, 6 feet (1.8 Meter), 10A. Please disconnect the power cord from the unit before performing maintenance.

INTRODUCTION

Congratulations on your purchase of the TMT-9000S soldering/rework station. This unit has been tested and inspected by Thermaltronics prior to shipment, and with proper maintenance will give you years of reliable performance.

Soldering Station Components:

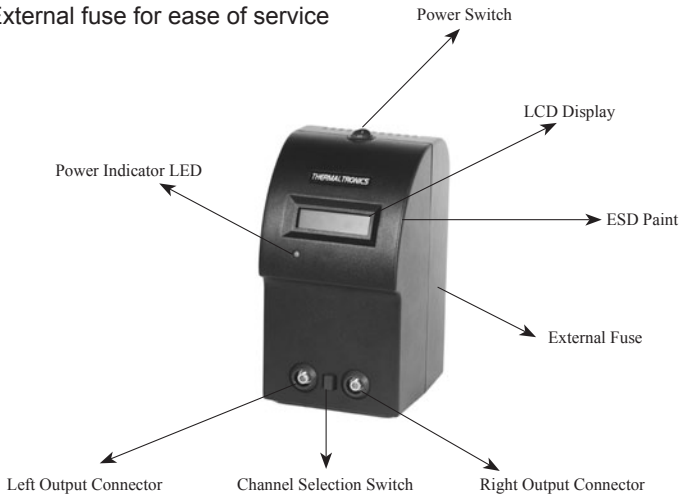
TMT-9000PS	Power Supply
SHH-1	Soldering Handpiece Holder
SHP-1	Soldering Handpiece
RMP-1	Tip Removal Pad
SG-1-GR	Soldering handpiece grip Green
SG-1-GY	Soldering handpiece grip Grey
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
M7CH176	Soldering tip cartridge

SYSTEM FEATURES

Power Supply:

The TMT-9000S power supply is manufactured from the finest materials and is the most compact 13.56MHz power supply available on the market today. It includes:

- LCD display with built in power indicator and tip cartridge status
- Dual switchable output
- External fuse for ease of service



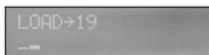
Power Supply LCD Mode



Start up



Working mode



Ready Mode



Disconnected



Error codes are factory set. If a malfunction occurs contact your local distributor.

HANDPIECE FEATURES

The unique SHP-1 hand piece is comfortable to use, light weight and well balanced. The clever handle design incorporates an aluminium front section, with either grey or green grips and an ESD safe, nylon rear which minimises heat transfer and ensures operator comfort.



Complete Handpiece assembly including cartridge removal pad.



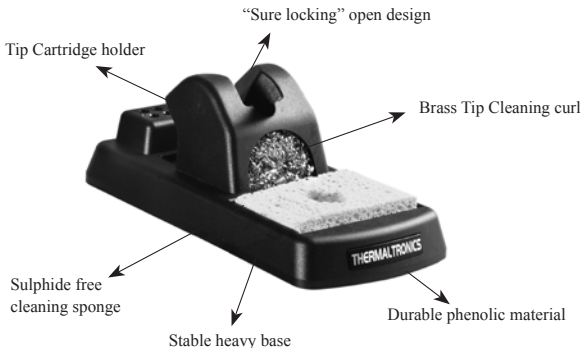
To change grip, unscrew the front retaining cap and slide off the old grip.



Insert new grip and retighten front cap.

WORKSTAND FEATURES

The SHH-1 work stand is manufactured from durable phenolic material; the unique sure lock iron holder has an open design that will keep the handpiece stable and cool when in use.



UNPACKING/ASSEMBLY/OPERATION

Please read this manual and follow the directions before using the equipment.

The carton contains:

1. Instruction manual
2. TMT-9000PS power supply
3. SHH-1 Soldering handpiece holder, including Brass curls and sponge
4. SHP-1 Soldering handpiece, with green and grey grips
5. RMP-1 Tip removal pad
6. M7CH176 Soldering Cartridge

Important: Keep all shipping materials until satisfactory operation has been verified.

Assembly and Operation

1. Remove TMT-9000PS power supply base from its box and place on a suitable work bench equipped with AC power.
2. Remove the SHH-1 work stand from its box. The unit should include a brass tip cleaning curl and a rectangular sulphide free sponge.
3. Remove the SHP-1 handpiece from its box and place into iron holder.
4. Plug the handpiece cord into one of the front connectors and ensure that the slide switch is positioned towards the plugged handpiece.
5. Plug tip cartridge into handpiece
6. Moisten the sponge with DE-Ionized water.
7. Connect the AC plug to a suitable AC power outlet.
8. Switch the power switch to the “on” position
9. Allow a few seconds for tip cartridge to reach soldering temperature.
10. The unit should then be ready to use.

Temperature Calibration

Thermaltronics “Curie Heat Technology” systems do not require temperature calibration. The technology is very precise and is self regulating. The alloy used in the construction of the tip cartridge will maintain the set temperature for its entire life.

TIP CARTRIDGE REPLACEMENT/CARE

Tip Cartridge Replacement

Thermaltronics tip cartridges are very easy to install and remove; make sure that you turn off the power supply first. A simple “pull action” will disengage the tip from its connector. When reinserting a new tip, the cleverly designed inner shaft of the handpiece will self centre the tip in order to ensure quick and easy assembly. A tip removal pad is included and should be used when inserting or removing hot tips from the handpiece. This tip removal device is made of a special heat shielded material and will protect the operator.

Important notice: Pliers should not be used when tip cartridges are being extracted from or inserted into the handpiece. Any undue mechanical force may damage the heater coil and will result in premature failure of the tip cartridge.

Tip Care

1. Use good quality solder, impurities in the solder can build up on your tip, effecting heat transfer and making it difficult to solder.
2. Do not overfill your sponge tray with water, and always use DE-Ionized Water. Please change your sponge regularly; solder residue can have an abrasive effect on the end of tips and cause premature failure. You can also use brass mesh pads made for the same purpose.
3. Please use TMT-TC-2 tip tinner to clean oxidation.
4. Keep your tip tinned at all times, a non tinned hot tip will oxidize quickly and performance will be compromised.
5. When reinserting tips, make sure they are properly seated in the shaft of the soldering handpiece.

ORDERING GUIDE

TMT-9000S

CURIE HEAT TECHNOLOGY SOLDERING SYSTEM



THERMALTRONICS 100-110V SYSTEM

PART NUMBER

TMT-9000S-1

<u>POWER SUPPLY</u>	<u>HANDPIECE</u>	<u>WORKSTAND</u>	<u>TIP CARTRIDGE</u>
TMT-9000PS-1	SHP-1	SHH-1	M7CH176

THERMALTRONICS 220-240V SYSTEM

PART NUMBER

TMT-9000S-2

<u>POWER SUPPLY</u>	<u>HANDPIECE</u>	<u>WORKSTAND</u>	<u>TIP CARTRIDGE</u>
TMT-9000PS-2	SHP-1	SHH-1	M7CH176