

USER MANUAL

TMT-5000S CURIE HEAT TECHNOLOGY SOLDERING STATION



TABLE OF CONTENTS

TMT-5000S SPECIFICATIONS	1
INTRODUCTION	1
SYSTEM FEATURES	2
HANDPIECE FEATURES	2
WORKSTAND FEATURES	2
UNPACKING/ASSEMBLY/OPERATION	3
ORDERING GUIDE	4

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-5000PS-1	100-110V Power supply	1 Year
TMT-5000PS-2	220-240V Power supply	1 Year
SHP-T	Handpiece	30 Days
SHH-2	Workstand	30 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.

CAUTION:

To provide continued protection against risk of electric shock, connect to properly ground outlets only.

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-5000S SPECIFICATIONS

Input Line Voltage:	TMT-5000PS-1	100-110 VAC, 52W
	TMT-5000PS-2	220-240 VAC, 52W
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-5000PS-1	250V 1A
	TMT-5000PS-2	250V 0.5A
Output Power (Maximum):		30 Watts
Output Frequency:		13.56 MHz
Size (W x H x D):		112mm x 205mm x 117mm
Weight:		2.58 KG
Input Line Frequency:		50/60 Hz

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-5000S soldering 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-5000PS	Power Supply
SHH-2	Soldering Handpiece Holder
SHP-T	Soldering Handpiece
RMP-1	Tip Removal Pad
SG-1-GR	Soldering handpiece grip Green
SG-1-BK	Soldering handpiece grip Black
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

SYSTEM FEATURES

Power Supply:

The TMT-5000PS power supply is manufactured from the finest materials and is the most compact 13.56MHz power supply available on the market today.

HANDPIECE FEATURES

The unique SHP-T hand piece is comfortable to use, light weight and well balanced. The clever handle design incorporates an aluminium front section, with either black 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-2 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-5000PS power supply
3. SHH-2 Soldering handpiece holder, including Brass curls and sponge
4. SHP-T Soldering handpiece, with green and black grips
5. RMP-1 Tip removal pad
6. CC-1 Connection Cable

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

Assembly and Operation

1. Remove TMT-5000PS power supply base from its box and place on a suitable work bench equipped with AC power.
2. Remove the SHH-2 work stand from its box. The unit should include a brass tip cleaning curl and a rectangular sulphide free sponge.
3. Remove the SHP-T handpiece from its box and place into iron holder.
4. Plug the handpiece cord into the front connector.
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.

ORDERING GUIDE

TMT-5000S

CURIE HEAT TECHNOLOGY SOLDERING SYSTEM



THERMALTRONICS 100-110V SYSTEM

PART NUMBER

TMT-5000S-1

<u>POWER SUPPLY</u>	<u>HANDPIECE</u>	<u>WORKSTAND</u>
TMT-5000PS-1	SHP-T	SHH-2

THERMALTRONICS 220-240V SYSTEM

PART NUMBER

TMT-5000S-2

<u>POWER SUPPLY</u>	<u>HANDPIECE</u>	<u>WORKSTAND</u>
TMT-5000PS-2	SHP-T	SHH-2