

USER MANUAL

TMT-2000S SOLDERING SYSTEM



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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-2000PS	100-240V Power supply	1 Year
SHP-K, SHP-KM	Handpiece	30 Days
SHP-P, SHP-PM	Handpiece	30 Days
SHP-SM	Handpiece	30 Days
SHP-KTZ, DS-HPC-3	Handpiece	30 Days
SHH-3, SHH-4	Workstand	30 Days
DS-GUN-3	Desolder Gun	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 grounded 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-2000S SPECIFICATIONS

Input Line Voltage:	TMT-2000PS	100-240 VAC, 55W Max
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-2000PS	250V 1A
Output Frequency:		470KHz
Size (W x H x D):		110mm x 155mm x 92mm
Weight:		1.30 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-2000S soldering system. This unit has been tested and inspected by Thermaltronics prior to shipment, and with proper maintenance will give you years of reliable performance.

System Features:

The TMT-2000PS power supply is manufactured from the finest materials and is the most compact 470KHz power supply available on the market today.

Handpiece Features:

The unique hand piece is comfortable to use, light weight and well balanced.

Workstand Features:

The 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.

SOLDERING SYSTEM COMPONENTS

TMT-2000S-K COMPONENTS



TMT-2000PS	Power Supply
SHP-K	Soldering Handpiece
SHH-4	Soldering Handpiece Holder
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

TMT-2000S-KM COMPONENTS



TMT-2000PS	Power Supply
SHP-KM	Soldering Handpiece
SHH-4	Soldering Handpiece Holder
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

TMT-2000S-P COMPONENTS



TMT-2000PS	Power Supply
SHP-P	Soldering Handpiece
SHH-4	Soldering Handpiece Holder
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

TMT-2000S-PM COMPONENTS



TMT-2000PS	Power Supply
SHP-PM	Soldering Handpiece
SHH-4	Soldering Handpiece Holder
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

SOLDERING SYSTEM COMPONENTS

TMT-2000S-SM COMPONENTS



TMT-2000PS	Power Supply
SHP-SM	Soldering Handpiece
SHH-4	Soldering Handpiece Holder
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

TMT-2000S-TZ COMPONENTS



TMT-2000PS	Power Supply
SHP-KTZ	Soldering Handpiece
SHH-5	Soldering Handpiece Holder
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
CC-1	Connection Cable

TMT-2000S-DT COMPONENTS



TMT-2000PS	Power Supply
DS-HPC-3	Desolder Gun Handpiece Cable
SHH-3	Desolder Gun Workstand
RMP-1	Tip Removal Pad
BC-1	Brass Curls
SPG-1	Sulphide Free Sponge
DS-AH-1	Desolder Gun Airhose
DS-GUN-3	Desolder Gun

UNPACKING/ASSEMBLY/OPERATION

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

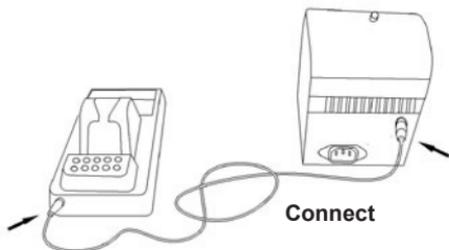
The carton contains:

1. Instruction manual
2. TMT-2000PS power supply
3. Soldering handpiece holder, including Brass curls and sponge
4. Soldering handpiece
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-2000PS power supply base from its box and place on a suitable work bench equipped with AC power.
2. Remove the work stand from its box. The unit should include a brass tip cleaning curl and a rectangular sulphide free sponge.
3. Remove the 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. Connect CC-1 Connection Cable



7. Moisten the sponge with DE-Ionized water.
8. Connect the AC plug to a suitable AC power outlet.
9. Switch the power switch to the "on" position
10. Allow a few seconds for tip cartridge to reach soldering temperature.
11. 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.