

USER MANUAL

TMT-FE100S FUME EXTRACTION 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-FE100PS-1	100-110V Fume Extraction Unit	1 Year
TMT-FE100PS-2	220-240V Fume Extraction Unit	1 Year

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.

TMT-FE100S SPECIFICATIONS

Input Line Voltage:	TMT-FE100PS-1	100-110 VAC, 0.30A Max
	TMT-FE100PS-2	220-240 VAC, 0.25A Max
Fan Capacity:		5.0 m ³ / min
Flow Rates:		50 CFM
Noise Level:		55 dbA
Fuse:	TMT-FE100PS-1	250V 1A
	TMT-FE100PS-2	250V 0.5A
Size (W x H x D):		166mm x 205mm x 142mm
Weight:		2 KG
Input Line Frequency:		50/60 Hz
Certification Marks:	TMT-FE100PS-1	cTUVus
	TMT-FE100PS-2	TUV CE

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-FE100S fume extraction system. This unit has been tested and inspected by Thermaltronics prior to shipment, and with proper maintenance will give you years of reliable performance.

Functions and Features:

1. Adjustable, easy to use fan speed control
2. Light & compact, takes up minimal benchtop space.
3. Electrostatic discharge free (ESD) safe.

SAFETY PRECAUTIONS

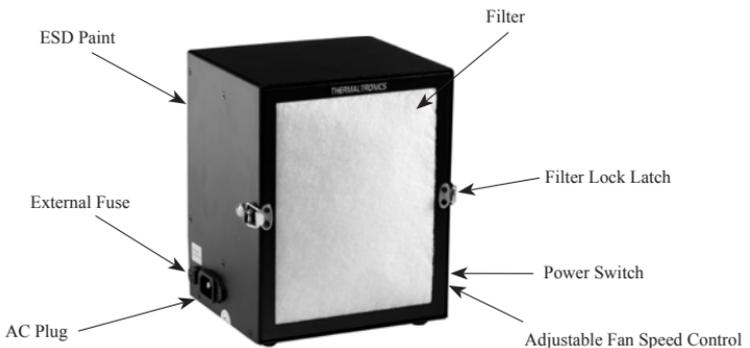
Caution

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

Warning

1. For safe and successful operation of the unit, read these instructions completely. If the instructions are not observed, the manufacturer can assume no responsibility. Retain this manual for future reference.
2. Consult your "safety department" when using the unit on flammable gases. This unit is not explosion safe and can only be used for extraction of vapors, which have concentration levels well below the lower explosive limits.
3. Do not use the unit to extract corrosive substances.
4. Do not expose the connecting cable to heat, oil, or sharp edges.
5. Make sure the unit stands stable and secure.
6. Use only genuine replacement parts.
7. Do not operate the Unit without filter inserts. Contaminants in the extracted air will damage the blower.
8. Always disconnect the power supply before servicing the unit.
9. Never cover exhaust openings.
10. Observe general safety regulations for the handling of chemicals such as adhesives and sealants. Observe the manufacturer's instructions as stated in the Material Safety Data Sheet (MSDS).

CONTROL PANEL



UNPACKING/ASSEMBLY/OPERATION

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

The carton contains:

1. Instruction manual
2. TMT-FE100PS fume extraction unit
3. FE-MF100 main filter - 90% filtration
4. FE-PF100 pre-filter (one piece)

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

Assembly and Operation

1. Remove TMT-FE100PS fume extraction unit from its box and place on a suitable work bench equipped with AC power.
2. Connect the AC plug to a suitable AC power outlet.
3. Switch the power switch to the "on" position
4. Adjust the air flow.
5. The unit should then be ready to use.

Filtration

Thermaltronics TMT-FE100S fume extraction unit is designed to effectively remove soldering fumes generated on the workbench.

Two filter configurations are offered:

1. FE-MF100 - 90% Filtration
2. FE-MF199 - 99% HEPA Filtration

Replacement of Filters

1. Turn the unit off.
2. Disconnect the power cord from the outlet on the system.
3. Unlatch the front panel.
4. Replace the pre-filter and the main filter.
5. Reconnect power cord and turn system on.

Replacement of Fuse

1. Turn the unit off.
2. Disconnect the power cord from the outlet on the system.
3. Open the fuse cover by unscrewing in a counter-clockwise motion.
4. Remove the fuse carefully from the fuse holder.
5. Risk of fire. Replace fuse only with following:

TMT-FE100PS-1	250V	1A
TMT-FE100PS-2	250V	0.5A

6. Close the fuse cover by screwing the fuse holder in a clockwise motion.

ORDERING GUIDE

TMT-FE100S

FUME EXTRACTION SYSTEM



THERMALTRONICS 100-110V SYSTEM

PART#	DESCRIPTION
TMT-FE100S-1	100-110V Complete Fume Extraction System
TMT-FE100PS-1	100-110V Fume Extraction Unit Only

THERMALTRONICS 220-240V SYSTEM

PART#	DESCRIPTION
TMT-FE100S-2	220-240V Complete Fume Extraction System
TMT-FE100PS-2	220-240V Fume Extraction Unit Only

THERMALTRONICS SPARE PARTS

PART#	DESCRIPTION
FE-PF100	Pre-filter (5 Pack)
FE-MF100	Main Filter - 90% Filtration
FE-MF199	Main Filter - 99% HEPA Filtration