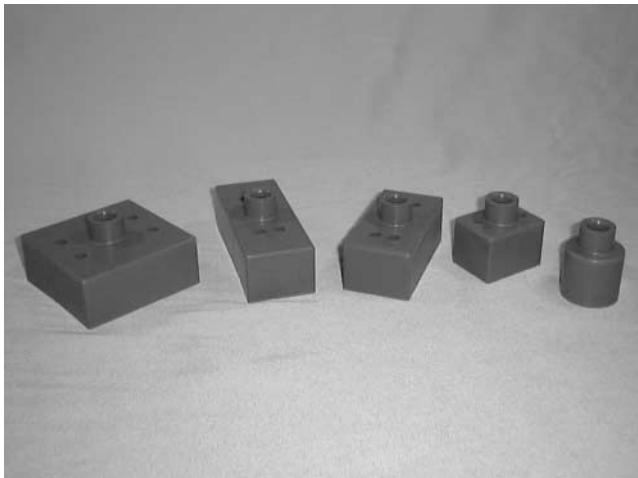


Accessories for PRECISION TEMPERATURE FORCING SYSTEMS

THERMONICS INCORPORATED, a leader in temperature testing technologies, provides a variety of accessory products that enhance the use of its precision temperature forcing systems (ptfs). The usefulness of these accessories ranges from adapting systems to unique test environments to facilitating general repair, maintenance or calibration of the systems. Our sales staff is available to advise you on the use of any of these products in your particular environment.

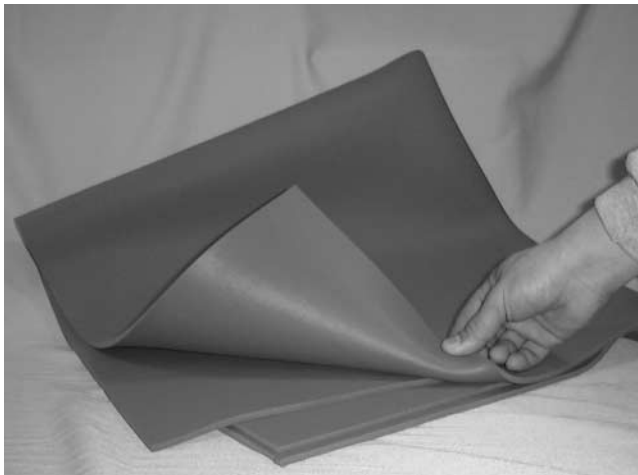


Thermal Caps Caps all one inch deep. 1.00 inch dia., 1.00 x 1.37 (2.54cm x 3.48cm), 1.25 x 2.75 (3.18cm x 6.99cm), 1.25 x 3.50 (3.18cm x 8.90cm), 2.50 x 2.50 (6.35cm x 6.35cm)

Thermal Caps and Adapters (Standard or Conductive)

Using an appropriately-sized thermal cap enhances the effectiveness and temperature transition time of a PTFS by ensuring superior integration of the DUT with the air stream. The caps install easily by pushing onto the socket in the thermal test head. An adapter is available for units with a basic output hose. Use conductive thermal caps in environments where ESD is a concern. Conductive caps provide volume resistivity of 5 ohm-cm. Each Thermal Cap Kit contains a selection of five thermal caps in a variety of shapes and sizes.

Item #	Description	Products
T-CAP	Standard Thermal Caps	All PTFS
T-CAPC	Conductive Silicon Rubber Caps	All PTFS



Silicon Rubber Sheets Fabric is 3/16 (.48cm) thick and measures 3 x 3 (.91m x .91m).

Silicon Rubber Sheets (Standard or Conductive)

Use sheets of silicon rubber to provide insulation between the thermal test head and the test site. The sheets are easily cut and shaped for custom applications such as insulating a DUT load board from frost or moisture, or as an insulating gasket for a custom thermal fixture. Electrically conductive silicon sheets are available for applications in which ESD is a concern. The conductive sheets provide surface resistivity of 20K ohms/sq. One side is conductive.

Item #	Description	Products
T-SRS	Standard Silicon Rubber Sheet	All PTFS
T-SRSC	Conductive Silicon Rubber Sheet	All PTFS



Foot Switch

Foot Switch

This optional control device is available for any of our Precision Temperature Forcing Systems that incorporate the pneumatic head lift feature. The foot pedal provides hands-free operation by enabling the user to toggle the up/down position of the thermal test head, relative to the DUT, by stepping on the pedal. The unit installs easily to a dedicated port located on the system's rear panel. Operators can position the pedal in any convenient location.

Item #	Description	Products
T-FSW	Foot Switch	All PTFS



Alternative Shrouds

Alternative Shrouds

Shrouds are used to create an environment to integrate the temperature-controlled air from a thermal head to the device under test. Alternative shroud designs can enhance performance of the system in some test circumstances. Two sizes are available: 3.28" (8.33cm) and 5.41" (13.74cm). Alternative shrouds can be purchased in lieu of the standard shroud, or as an additional component of the system.

Item #	Description	Products
SH-SUB3	Small Shroud	T-2420
SH-SUB5	Large Shroud	T-2420
SH-SUB3/25	Small Shroud	T-2500 (E) (SE)
SH-SUB5/25	Large Shroud	T-2500 (E) (SE)



Nozzle Extender

Nozzle Extender

Extends the test head nozzle to facilitate testing of devices mounted on PC boards. The nozzle contains a muffler to reduce output noise. The extender measures 5.5 (14cm) in length and is compatible with a modified version of our various thermal caps. A purge air extension line is included to ensure frost-free operation.

Item #	Description	Products
T-NE	Nozzle Extender	T-2420
T-NE/25	Nozzle Extender	T-2500 (E) (SE)
T-NE/26	Nozzle Extender	T-2600BV

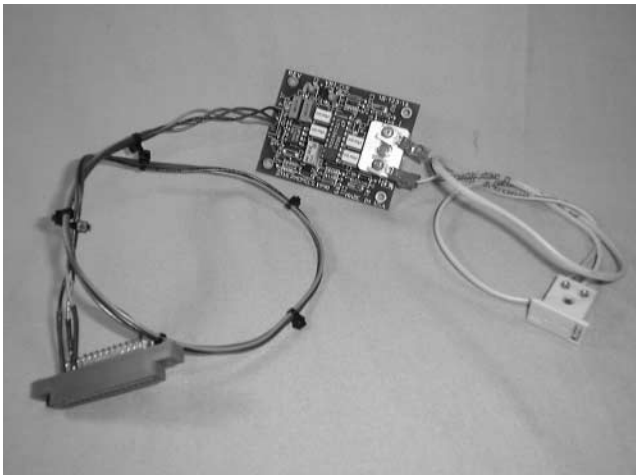


Output Extension Hose

Output Extension Hose

A flexible, insulated extension hose used for channeling air from the thermal test head to a thermal boot or custom test fixture. Hose measures two feet in length and attaches to the thermal fixture. Uses a 1/4-inch male NPT fitting.

Item #	Description	Products
T-EXTN	Extension Hose	T-2420
T-EXTN/25	Extension Hose	T-2500 (E) (SE)



Thermocouple Isolation Board

Thermocouple Isolation Board

The Thermocouple Isolation Board is designed to enhance performance of the T-2420 PTFS in high-frequency environmental test conditions. These environments often interfere with temperature control and accuracy when in DUT-sense mode due to the excess noise. The board incorporates techniques for attenuating the noise in the incoming DUT signal so that more accurate temperature control may be obtained. The unit comes complete with a replacement DUT thermocouple connector and a 15-pin female connector for interfacing to the Flow Control Board. Installation instructions are provided.

Item #	Description	Products
T-ISO	Thermocouple Isolation Board	T-2420



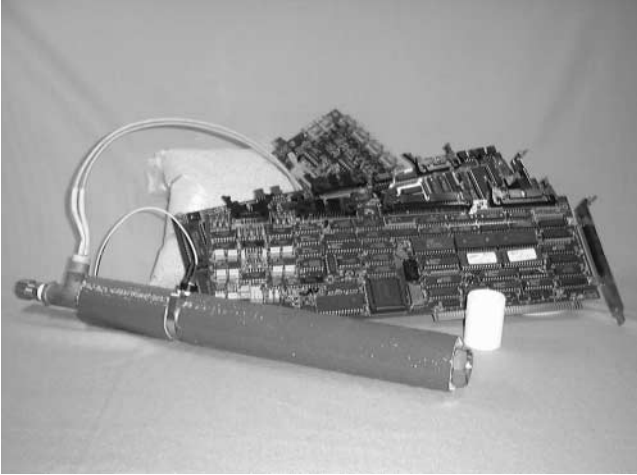
Accessory Kits

Accessory Kits

The T-ACC Accessory Kit comprises a set of tools that facilitate temperature and air-flow calibration of the PTFS. The tools include an air flow meter, a hand-held thermocouple meter, and a set of Hex wrenches (Metric and English).

Item #	Description	Products
T-ACC	Accessory Kit	All PTFS

ACCESSORIES



Remote Spare Parts Kits

Remote Spare Parts Kits

Remote spare parts kits are available for all systems. The kits contain a selection of standard replacement components; such as: PCBs, switches, heaters, and o-rings, used to ensure maximum uptime of the system. The kits are geared to systems that are used in remote locations and cover approximately 80% of critical parts.

Item #	Description	Products
T-RS2500	Remote Spare Parts Kit	T-2500
T-RS2500E	Remote Spare Parts Kit	T-2500E
T-RS2500SE	Remote Spare Parts Kit	T-2500SE
T-RS2420	Remote Spare Parts Kit	T-2420
T-RS2425	Remote Spare Parts Kit	T-2425
T-RS2427	Remote Spare Parts Kit	T-2427
T-RS2600BV	Remote Spare Parts Kit	T-2600BV



T-ADF/BV Air Dryer

Air Pressure: +80 to 120 psi;
Supply Air Quality: Clean, dry air;
Dew point of <+10C.

Compressed Air Dryer/Filter

Heatless Regenerative Air Dryers are used to dry compressed air to ensure that it is of proper quality for test environments. The systems remove excess moisture, oil and particles from the source air and lower the dew point to -40C. They can be used in any application for which dry air is required. Use an air dryer to condition the source air for the T-2600BV or T-2610BV PTFS or to provide dry air for a dry box used with a temperature chuck and probing station such as the T-6100 Temperature Chuck System.

The air dryer arrives completely assembled and ready for use. All that is required is to mount it, connect the air and power source, and attach the output hose to your equipment's air input fitting.

Item #	Description	Products
T-ADF	Compressed Air Dryer and Filter	All PTFS
T-ADF/BV	Compressed Air Dryer and Filter	T-2600BV

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