

T-2500IX/M PRECISION TEMPERATURE FORCING SYSTEM

Temperature Range from -95°C to +225°C at 50Hz Power (in compressor mode)
Temperature Performance between 125°C and -55°C = 10 s (in compressor mode)
Enhanced Liquid Nitrogen Injection for Continuous Operation at -130°C

Compressed Air or Dry Nitrogen Gas Source
(+10°C or lower dew point, oil-free source required)
CFC-Free, Single-Stage Mechanical Refrigeration for High Reliability
Advanced Temperature Control Algorithm
Microcomputer for Most System Functions
Separate Microprocessor Control of Temperature Control Functions
PCI Bus Temperature Controller
Pentium Motherboard
Harddrive
TFT Color Touch-screen Monitor for All Readout and Input Functions
3.25" Floppy Diskette for Setup and Data Archiving
IEEE-488.2 and RS-232C Interfaces for Network / Tester Communications
Graphical and Numerical Display of Temperature / Time Data
Self-Test Diagnostics
99-Step Temperature Cycling Capability
K-Type Thermocouple or T-Type Thermocouple for DUT Sensing
Memory With Battery Backup for Storing Setups and Data
Single Heater Thermal Testhead
Heatless Air Dryer and Filter, Maintenance free for 2 years
Programmable Air Temperature Ramp Rate
Gas Flow Rates of 1,6 to 7,1 l/s for Fast Temperature Stabilization
Purge Gas Regulator and Programmable Purge Heater
Soak Timer
0.1°C Programmability and Display Resolution
Accuracy $\pm 1^\circ\text{C}$
Support Arm with Thermal Head (Vertically and Horizontally Motorized)
Standard 4.65" ID Double-Walled Glass Shroud
Set of Five Silicone Rubber Thermal Caps, All 1.00 inch Deep
1.00 inch diameter
1.25 inch X 1.37 inch
1.25 inch X 2.75 inch
1.25 inch X 3.50 inch
2.50 inch X 2.50 inch
Universal 208/230 Volt, 50/60 Hz, Single Phase, 20 Amp Power
CE Mark included

Please note:

The T-2500IX/M is especially suited to run perfect linear temperature ramps from cold to hot and hot to cold. 60Hz operation increases cold performance by 5°C.
The specified Temperature Range relates to the AIR SENSOR positioned inside of the Output Nozzle or Output Hose. Using a DUT-SENSOR may decrease the Temperature Range!