

## **T-2500IX PRECISION TEMPERATURE FORCING SYSTEM**

**Temperature Range from -95°C to +225°C at 50Hz Power**

**Temperature Performance between 125°C and -55°C = 4 s**

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 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!