- √ No compressed air needed
- √ 120 vac at 20 amps
- √ Removable chamber for use on ELI or your test/work station
- √ Exchangeable chambers
- √ Standard or custom thermal test fixture
- √ 22”Wx30”Dx30”H
- √ Delivers controlled temperature with fast temperature transition times
- √ Quiet operation at approx. 40db
- √ Type T, K, or RTD DUT Sensor Ports
- √ IEEE-488, RS232 and 485, and optional USB/ Ethernet Remote Interface ports
- √ Temperature accuracy of ±.1ºC
- √ Specialize in custom/standard RF chambers

Available only from...

KHOURY INDUSTRIES
Δt=YOUR ONLY THERMAL SOLUTION

Eli 1000™

THERMAL SOURCE

PATENT PENDING

Need a thermal source SOLUTION?

Ranges between
-70ºC+200ºC

The ELI-1000 is portable and light weight making it convenient for any setting.

Also Available!

Model ELI-1000-RF Features Microwave RF Shielded

This revolutionary system combines a thermal source and custom or standard chamber into one system. The interchangable chamber feature of the ELI-1000 allows users to easily accomodate their varying testing needs.

The standard 120 voltage and compact design of the ELI-1000 is more energy efficient and aids laboratories or production facilities to fulfill their “go green” initiatives!

All ELI-1000 Models are ESD-free

Go Green with this Eco-Friendly System

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5 Mechanic Street, Bellingham, MA 02019 · 508-966-3838 · Fax 508-966-3400

Technical Bulletin

MasterSpec for Model ELI-1000

Call 508-966.3838 for sales

ELI 1000™
THERMAL SOURCE
PATENT PENDING

TEMPERATURE PERFORMANCE

Temperature Range:	-70ºC to +200º C (Temp. will vary depending on chamber size)
System air flow	120 scfm CONTINUOUS
Temperature accuracy	1.0ºC (when calibrated against NIST transfer standard)
Temperature set, display and resolution	±0.1ºC
Duty Cycle	CONTINUOUS
DUT Sensor Ports	Type T and Type K Thermocouple and RTD
DUT Control	Control to within ±0.1ºC; SELF-TUNING available
Remote interface ports	IEEE-488, RS232 and 485 Serial, optional USB Port; Ethernet

USER FEATURES

Modes of operation	Operator Mode and Cycling Mode
Ramp/soak/cycle config.	On screen display
Program and data storage	Data logging and program files may be stored on the hard drive
On-screen help	Included for both Cycling and Operator Modes
Calibration	Simplified and accurate for all airflows and DUT types
Power Requirements	120V, 20 amp
Compressed Air Requirements	None required
Operating Temperature	+20ºC to +28ºC (+23ºC nominal)
Humidity	0 to 60% (45% nominal)
Interchangable chamber modules	Easy exchange with 4 latch hold down design

SERVICE FEATURES

Over Temperature Protection	205ºC factory-set software; 250ºC Hardware fuse
Mobility	4 swivel caster wheels with locks
Noise level	40 dBA approximately
Serviceability	Field replacement modules and refrigeration
Weights and Dimensions:	Base 22” Depth: 30” Height: 30” 110 pounds

DC17 ES PROCESS CONTROLLER

Operation	4 key keypad with graphic display
Outputs	6 - heat cool temperature applications utilize 2 outputs in con junction with one temperature channel input.
Analog Inputs	2 points (0-5VDC max, 10-bit conversion)
Digital Inputs	2 points (dry contact or one available as high speed pulse count inputs 1 point (5VDC max).
Work Station Inputs	RS485/RS232 jumper selectable on board
Input Power Requirements	85 ~ 264VAC; 47 ~ 63 Hz; 120 ~ 370 VDC
Temperature inputs	Type J, T range -100º - +200ºC
RTD 100 ohm range	-100º - +200ºC
Power supplied to remote sensors	5VDC, 100mA max.

July 2009