

COMPONENT BURN-IN and LIFE TEST SYSTEM

Sharetree 6-position Tray System



The Sharetree Tray Burn-in and Life Test systems are designed specifically for testing of components and small assemblies.

This model has a powerful horizontal airflow to minimise thermal gradients, and compressor cooling to ensure stable operation with high dissipation loads, and a wide operating range. An insulated lattice is fitted to the front of the chamber to accept standard Sharetree Trays. Power and signals may be distributed to each Tray as required via a multi-pole connector at each lattice position. A front enclosure is fitted to enable temperature control of the tray electronics, and to give added safety and security.

Each Tray is self-contained and may be individually loaded and unloaded with minimal disturbance to other trays, making the system ideal for testing of a variety of small batches. A Tray and system customising service is available to suit specific products.

The system can be computer controlled to allow “step-stress” test profiles, monitoring of product, etc.

Specification

Capacity	6 standard Sharetree burn-in trays
External dimensions (max.)	700 W x 1200 D x 2100 H mm
Operating temperature range	-5°C to +100°C
Chamber controller	Eurotherm set point
Controller comms.	RS232
Thermal ramp rate (typical)	1°C/min
Maximum load dissipation	100 Watts
Rated voltage	230V AC single phase, 50 Hz
Rated maximum current	32 amps
Power supplies (max.)	3 per chamber
Shipping weight (less main power supplies)	200 Kg