

THERMAL STRESS SCREENING SYSTEM**MODEL TC/CYCLONE/600/LN**

Designed for Thermal Stress Screening of PCB's and small assemblies. The chamber features fast airflow and Liquid Nitrogen (LN₂) cooling, for very high thermal ramp rates.

Units can be mounted on product carriers inside the chamber.

Specification

| | <i>W (mm)</i> | <i>H (mm)</i> | <i>D (mm)</i> |
|---------------------------------------|--|---------------|---------------|
| Internal dimensions | 600 | 600 | 600 |
| External dimensions (max.) | 1560 | 1810 | 980 |
| Operating temperature range | +150°C to -70°C | | |
| Average rate of change of temperature | 5°C to 30°C/minute | | |
| Maximum thermal mass | 25 Kg | | |
| Maximum load dissipation | 100W | | |
| Rated voltage | 400V AC 3-phase + Neutral | | |
| Rated maximum current | 60 amps per phase | | |
| Rated maximum power | 30 KW | | |
| Cooling | LN ₂ | | |
| Inlet connection | ½" BSP | | |
| Inlet pressure | 2 bar | | |
| Outlet duct (for nitrogen gas) | 50 mm diameter | | |
| Nominal chamber weight | 300 Kg | | |
| Airflow direction | Horizontal (side-to-side) | | |
| Features: | Product protection RS485 comms 50mm cable port (left side) | | |