

CUTTING EDGE. PROVEN. PRECISE.

With its superior power handling and precision control, the iQ System is designed for optimum temperature forcing. It's unique combination of proven methodologies and cutting-edge heat transfer technology can be expertly customized, no matter what your IC needs.

iQ-PHASE THERMAL FORCING SYSTEM

iQ-Phase Thermal Management System is designed with performance and flexibility in mind, allowing for customization to suit different package and interface variations. The system allows for temperature forcing across a wide range of devices sizes and types, whether socketed or soldered down.



The well-proven, thermal head methodology coupled with the cutting edge liquid-less phase change heat transfer technology creates a very quiet, portable and fast stabilization thermal control environment. The vertically actuating thermal heads makes direct contact with your IC providing for far superior power handling and precision control over other thermal control methods.

BENEFITS

- -55°C to 250°C
- Completely self-contained liquid free operation
- All packages types
- Adapts to most sockets and boards
- Very quiet operation (<40dB)
- Small footprint
- Portable and rack mountable
- Worldwide power
- Residue free contact with DUT
- ECO Friendly lowest power consumption thermal forcing system

APPLICATIONS

- Temperature Forcing
- Thermal Stream Replacement
- High Reliability Testing
- ATE, SLT and Bench
- OEM Integrations

NOTICE: The information included in this data sheet is believed to be accurate and reliable. Boyd assumes no responsibility for end use applications and no performance warranty is expressed or implied.

System Specifications For Operating

Category	Value
Temperature Range	-55 to 250°C
Accuracy	±0.3°C
Transition Rate	Up to 70°C/min (Ramp rate controllable)
Actuation Type	Z-Axis Lid Integrated
Actuation Force	Up to 55kg
Remote Sensor Types	2-Type K Thermocouple Ports, Thermal Diode

System Specifications For Mechanical

Category	Value
Controller Size WxHxD	480mm x 130mm x 400mm
Controller Weight	Approx. 15kg
Thermal Head Size WxHxD	59mm x 50mm 59mm
Thermal Head Weight	Approx. 1kg
Controller to Thermal Head Distance	Approximately 2.5m

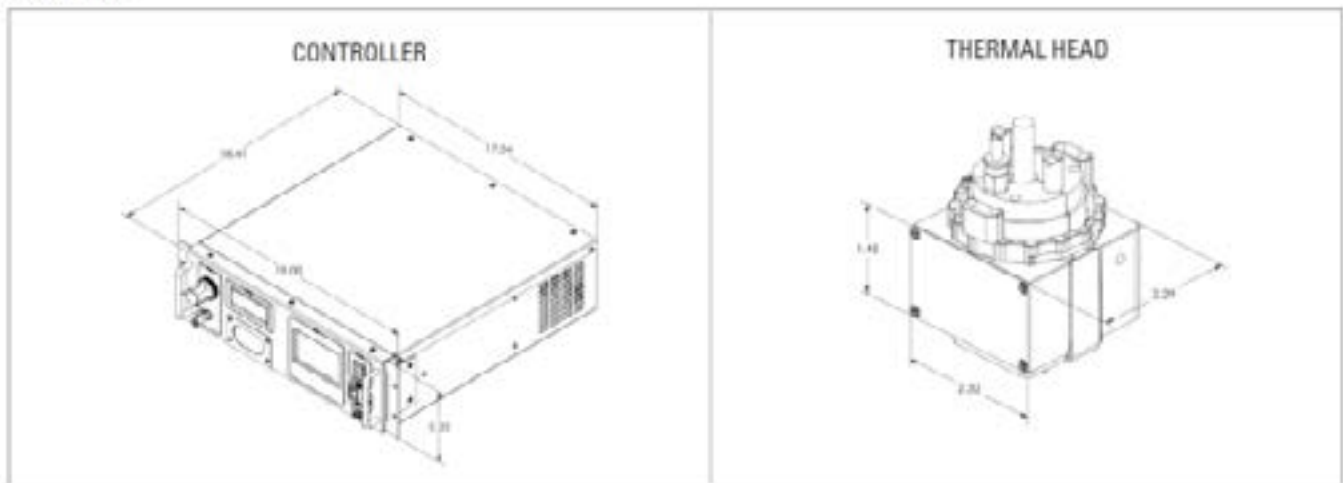
**System Specifications For Environment/
Facilities**

Category	Value
Operating Temperatures	-10°C to ±45° (Non-condensing)
Power	100V to 240V AC 50/60Hz 6A MAX (100V)
Plus	59mm x 50mm 59mm
Thermal Head Weight	Approx. 1kg
Controller to Thermal Head Distance	Approximately 2.5m

Data / Communications

Category	Value
USB	Type B
Ethernet TCP/IP	RJ-45
Touch Screen Display	110mm Ruggedized LCD

DIAGRAMS



NOTICE: The information included in this data sheet is believed to be accurate and reliable. Boyd assumes no responsibility for end use applications and no performance warranty is expressed or implied.