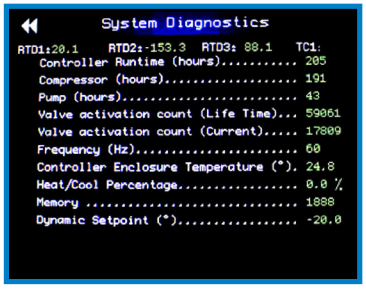
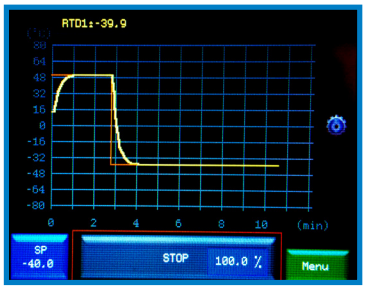
Thermonics





Chiller Controller

The chiller controller provides precision temperature control with touch-screen operation, easy-to-read information, remote operation, and data logging.

Developed by our in-house engineering team, this controller provides flexible setup and customization not readily achievable with PLCs.

FEATURES:

- Displays critical parameters such as fluid supply and return temperature and pressure (based on chiller options selected)
- Alarms for out-of-temperature range, low process flow, low reservoir level, and more
- Built-in diagnostics – valve counts, ambient temp, equipment runtimes
- Displays temperature graphs
- Communicates via Ethernet, USB, HTML Web server, RS-232 (optional)
- Logs system data and performance
- CE and RoHs compliant

CONTROLLER SPECIFICATIONS	
Temperature Measurement	Range: -210 to +680°C, Resolution: 0.1°C full scale
User Interface	5.7” color touch-screen with temperature graphing and charting
Control Safety	High and low temperature limits, Independent fail-safe modules (IFM, optional)
Diagnostics	Runtime hours (controller, chiller, compressor, pump), system performance log, valve activation counts, enclosure temperature
Operating Environment	Temperature: 10 to 50°C, Humidity: 0 to 50%
Temperature Sensors	Remote RTD (500 Ohm), thermocouple (type K)
Control Algorithms	Primary loop PID, Dual loop multiple RTD control mode
Communication Interfaces	Ethernet 10/100, Telnet, HTML web server, USB 2.0. RS232 (optional)
Alarms	Low Flow, Low Reservoir, Out-of-Temp Range. *Optional*: Drip Tray
Controller Compliance	CE / RoHS / UL61010

ISO REGISTERED ITAR

The inTEST Thermal family includes three temperature-related corporations: Temptronic, Sigma Systems, and Thermonics.