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Find the *Delta Design ETC 2000* at our website: *Click HERE*

# ETC2000

Delta Design
A Cohu Company

## ENGINEERING THERMAL CONTROL

The ETC2000 features the fastest and most accurate device thermal control technology:

- -70°C to +150°C setpoint temperature range available
- Patented Power Balancing™ junction temperature control
- 100°C per second temperature ramp rate
- Needs only AC power and air – no chilled water
- Easy access to test site




Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

# Specifications

## DEVICE KITS

| | |
|---|---|
| **Device Kits** | BGA, LGA, PGA, MCM. (For other package types, consult Delta Design) |
| **Device Size** | Minimum: 10mm x 10mm<br>Maximum: 70mm x 70mm<br>Thickness: Max 25mm |
| **Device Changeout** | <30 seconds |
| **Device Kit Changeover** | <30 minutes |

## PLATFORM

| | |
|---|---|
| **Test Site** | Horizontal, can be configured for right or left side access |
| **Temperature Range** | -S and -L Models<br>Passive: -30°C to +150°C<br>Active: -10°C to +125°C<br>-XT Model<br>Passive: -55°C to +125°C<br>-70°C to +150°C (optional)<br>Active: -40°C to +125°C<br>-55°C to +125°C (optional) |
| **Temperature Accuracy** | ±1.0°C with 0.1°C resolution |
| **Variation from Setpoint** | ±2°C of setpoint at start of test |
| **Thermal Control Modes** | Heater temperature feedback<br>Device temperature feedback (RTD or diode)<br>Power Balancing™ |
| **Thermal Unit** | -S Model: 1.0 TU<br>-L and -XT Models: 1.2 TU |
| **Temperature Ramp Rate** | 100°C per second |
| **User Interface** | PC/LabVIEW®, keyboard with integrated trackball, color LCD monitor |
| **ESD** | <100V within 6" of device |
| **Communications Interface** | GPIB and RS232 (consult factory for other options) |
| **Power Requirements** | 208VAC, 60 Hz, 3-phase,<br>-S and -L Models: 30 Amp<br>-XT Model: 45 Amp |
| **Air** | 80 psi, 2-3 scfm, clean, dry dewpoint 15°C lower than coldest chiller setpoint |
| **Weight** | -S and -L Models<br>750 lbs. (340 kgs.)<br>-XT Model: 1270 lbs. (577 kgs.) |
| **System Dimensions** | -S and -L Models<br>25.4"W x 42"D x 63"H<br>(0.65m x 1.08m x 1.62m)<br>-XT Model<br>46.5"W x 40.0"D x 53.1"H<br>(1.19m x 1.03m x 1.36m) |

## CHILLER

| | |
|---|---|
| **Location** | -S and -L Models: Internal<br>-XT Model: External |
| **Power Requirements** | Provided through ETC2000 platform |
| **Temperature Range** | -S and -L Models:<br>-40°C to +85°C<br>-XT Model:<br>-60°C to +50°C<br>-80°C to +50°C (optional) |
| **Cooling** | Air-cooled, HFE |

Specifications are subject to change without notice.
For detailed performance specifications, please contact Delta Design.

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