



## **Thermoelectric Temperature Chamber for Testing Implantable Medical Devices**

*TestEquity Model TEC1 is the world's first commercially available Thermoelectric Temperature Chamber. It was designed for engineering testing of pacemakers and defibrillators. Thermoelectric devices are ideally suited for this application, where just a little bit of cooling is required. The resulting design is quieter, more reliable, more compact, and weighs less than conventional refrigeration systems which use a compressor.*

Thousand Oaks, CA, May 08, 2009 --(PR.com)-- TestEquity Model TEC1 is the world's first commercially available Thermoelectric Temperature Chamber. It was designed for engineering testing of pacemakers and defibrillators over a relatively narrow range of temperature. Thermoelectric devices are ideally suited for this application, where just a little bit of cooling is required. The resulting design is quieter, more reliable, more compact, and weighs less than conventional refrigeration systems which use a compressor.

TestEquity Model TEC1 can accurately maintain temperatures from +10°C to +60°C, with  $\pm 0.1^\circ\text{C}$  control tolerance. Thermoelectric (Peltier) Devices are used for cooling and heating instead of a compressor and heater.

The switchable input voltage range provides operation on 115V or 230 V, 50/60 Hz.

Two cable slots allow users to attach wires and sensors to the test sample through both the left and right side of the chamber without disconnecting any wires.

A microprocessor-based temperature controller allows ramp/soak programming with up to four profiles and 40 total steps. A bright LED readout indicates the actual chamber temperature and set point with  $0.1^\circ$  resolution. Auto-tuning allows users to optimize the control response to suit unique applications. RS-232C interface is included. Optional interface for GPIB or LAN is available.

TestEquity Model TEC1 is priced at \$3,995. Availability is stock to 6 weeks ARO.

Model TEC1 can be viewed online at [www.testequity.com/products/1653/](http://www.testequity.com/products/1653/).

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**Contact Information:**

TestEquity LLC  
Peter Kesselman  
805-498-9933 X113  
peterk@testequity.com  
<http://www.testequity.com>

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