

**Note: Data Sheet For Reference Only - Actual Chamber May Vary Depending on Model Year, Options, Controllers, and Individual Configuration**



**For Quality Refurbished -Warranted  
Test Equipment Contact us at  
800-574-2748 323-770-0634  
Web Site: [www.LRE.com](http://www.LRE.com)**

**> Tenney** Tenney ETCU Temperature Humidity Cycling Chambers

## **ETCU Series Solar Panel Testing Environmental Test Chambers**

The ETCU series was designed specifically for solar panel testing and features integrated options to provide reliability, quiet operation, and proven performance for your testing requirements. The ETCU series uses the latest in HFC environmentally friendly refrigerants, which generate much lower compressor temperatures.

### **Construction**

All models feature vapor-tight, continuously welded stainless steel interiors. Structural reinforcement is used at all critical points. Through-wall ports are continuously welded. A combination of fiberglass and polyurethane insulation surrounds the chamber to maximize insulating characteristics, thus ensuring minimal thermal transfer.



	ETCU 110 Environmental Test Chamber For Solar Panel Testing Specifications	ETCU 132 Environmental Test Chamber For Solar Panel Testing Specifications
Temperature Range	-60°C to +200°C	-60°C to +200°C
Humidity Range	20% to 98% in the dry bulb temperature range of 20°C to 85°C limited by a 3°C dew point	20% to 98% in the dry bulb temperature range of 20°C to 85°C limited by a 3°C dew point
Interior Dimensions W x D x H in. (cm)	40" wide x 79" deep x 60" high (101.6 x 200.7 x 152.4)	48" wide x 79" deep x 60" high (121.9 x 200.7 x 152.4)
Exterior Dimensions W x L x H in. (cm)	65.5" wide x 119" long x 112" high (166.4 x 302.3 x 284.5)	75.5" wide x 119" long x 112" high (191.8 x 302.3 x 284.5)
Standard Voltage	460V 3 Phase 60 Hz.	460V 3 Phase 60 Hz.
Cabinet Type	Floor Model	Floor Model

#### ► Features:

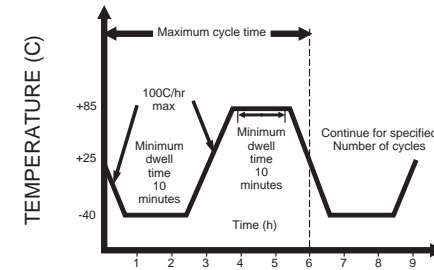
- Meets the following standards:  
UL 1703 sections 35 and 36  
IEC 60068 section 2.78  
IEC 61215 sections 10.11, 10.12 and 10.13  
IEC 61646 sections 10.13  
IEC 62108 sections 10.6, 10.7, 10.8  
ASTM E1171-04 sections 6.5, 6.6 and 6.7
- Temperature and Humidity Testing +85°C and 85%
- Tenney VersaTenn V control system
- Large Chamber Space Tailored to Standard Solar Panel Sizes
- Quietest Operation
- High Reliability Refrigeration System
- Improved Cost of Ownership
- Automatic Humidity Vent
- Panel Mounting Clips

#### ► Options:

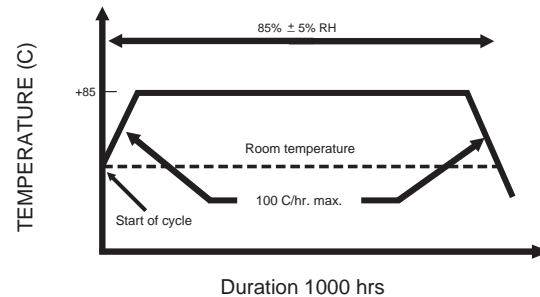
- IEEE488 Interface
- LinkTenn 32 for Windows® That Permits Your Computer to Control up to 10 Chambers
- 6-event Relay Board
- Water Demineralizer System
- Circular Recording Instruments
- Alternate Refrigeration and/or Heating Systems for Faster Temperature Change Rates or Increased Product Load-Handling Capabilities
- Additional Ports, etc.

Specifications and Product Information is subject to change without notice.

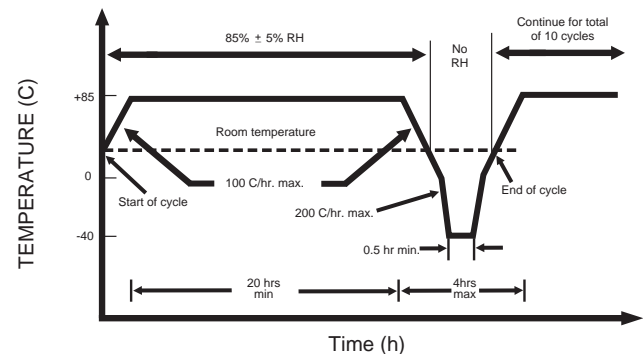
#### Thermal Cycling Test



#### Damp Heat Test



#### Humidity Freeze Test



**Used Refurbished - Warranted Test Chambers Available at LR Environmental**  
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