

Effective Solar Panel Testing Equipment



Tenney ETCU 110



Tenney

Put Your Panels to the Test

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.

Specifications:

	ETCU 110 Environmental Test Chamber Specifications	ETCU 132 Environmental Test Chamber Specifications
Temperature Range	-60 degrees C to +200 degrees C	-60 degrees C to +200 degrees C
Humidity Range	20% to 98% in the dry bulb temperature range of 20 degrees C to 85 degrees C limited by a 3 degree C dew point	20% to 98% in the dry bulb temperature range of 20 degrees C to 85 degrees C limited by a 3 degree C dew point
Interior Dimensions	40" wide x 79" deep x 60" high	48" wide x 79" deep x 60" high
Exterior Dimensions	48" wide x 123" long x 101" high	56" wide x 123" long x 101" high
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

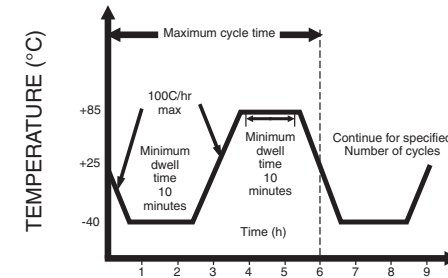
Options

- 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.

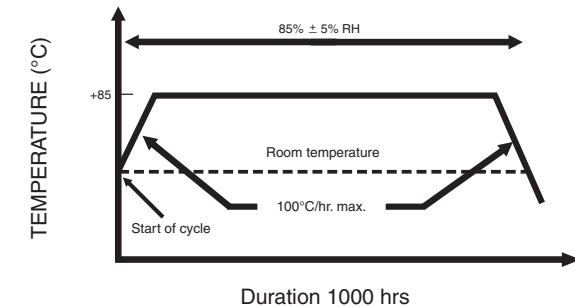
Specifications and Product Information is subject to change without notice.



Thermal Cycling Test



Damp Heat Test



Humidity Freeze Test

