NEW! Mini Environmental Chambers for Instron Single Column 3300, 5500, and 5900 Series

The ETS Model 5502 Mini Environmental Chamber for Instron Test Systems addresses end-user needs to accurately control temperature and humidity during testing, providing a high quality, user-friendly solution at an affordable price. The Model 5502 has been designed in cooperation with Instron to address the most common environmental testing needs of Instron customers. For specialized needs, the chambers are configurable and can be customized to meet the workspace and environmental conditions required.

Features:
- EasySet™ integrated dual PID controllers for humidity and temperature
- Accurate Humidity and Temperature over a wide operating range:
  - Humidity: <5% to >95% RH
  - Temperature: 50° to 131°F (10° to 55°C)
- Generous 2.7 cu. ft. of internal working space
- ClearView™ Easy Access 12”x25” Door
- 0-1V analog and RS485 communications output
- 1 Year Parts & Labor Manufatures Warranty
- Manufactured in Pennsylvania, U.S.A.
- Factory calibration services available

Applications:
The ETS Model 5502 Mini Environmental Chamber is designed to address environmental temperature and humidity requirements commonly found in industries such as bio-medical, consumer goods, adhesives, and more. The chamber incorporates a ClearView door for maximum visibility of the test specimen and allows easy access to change the specimen or adjust/remove test fixtures. The chamber includes sufficient space for additional samples to be conditioned as required in advance of being tested.

Options:

Control/Data Logging: An optional software package is available that enables you to easily set up scripts for different environmental testing scenarios, monitor and chart record the temperature and humidity data.

Alternative Temperature/Humidity Systems: Depending on lab infrastructure, additional configurations for cooling, dehumidification, and humidification are available that take advantage of dry house air, CO2, LN2, or clean water supplies. ETS experts are available to discuss the options.

Additional options include the ability to customize the dimensions of the test chamber height/width, include a safety interlock on the door, and add an iris port to the door.

Have a Question for Our Experts? Or Would You Like a Quote?
Call us at (215) 887-2196 or head over to our website contact us page on www.electrotechsystems.com
Specifications

**Power:** 115VAC/60Hz or 240VAC/50Hz

**Dimensions:**
Test Chamber: 14” W x 13” D x 25.5”H (internal)
External Dimensions: 23.5” W x 13.5” D x 26”H (excluding adjustable base)

**Weight:** Total System Weight: 66lbs

**Standard Temperature/Humidity Control Systems:**

Performance range assumes ambient temperature of 23° C

- **Heating/Cooling:** Thermoelectric heat pump with an operating range of 10° C to 55° C
- **Humidification:** Open Loop, Single-Head Ultrasonic achieving RH in excess of 95% RH
- **Dehumidification:** Compressed air self-regenerating twin tower desiccant system achieving RH down to 5% RH or lower.

**High Precision Humidity/Temperature Sensor Specifications:**

- **Relative Humidity:**
  - Working Range: 0% to 100% RH
  - Accuracy at 20° C (68° F): +/−2% RH (0…90% RH) and +/−3% RH (90…100% RH)
  - Temperature dependence: 0.03% RH/°C

- **Temperature:**
  - Working Range: -40° C to 60° C
  - Accuracy: [Diagram]

**Warranty:** One (1) Year Parts and Labor

*Specifications subject to change without notice*

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