



Specifications

Generation Method	Divided flow
Operating Range	0.0 to 99.9% RH, 2°C to 40°C
Repeatability	0.2% RH
Accuracy	0 to 10%: ±4.0% RH 10 to 20%: ±2.0% RH 20 to 80%: ±1.0% RH 80 to 90%: ±2.0% RH 90 to 99.9%: ±4.0% RH
Response Time	Less than 15 minutes
Stability	0.2% RH
Test Well Size	3.2" x 5.8" x 3.7" D (81 x 147 x 94 mm)
Storage	Full: 0.5°C to 40°C Drained: -54°C to 50°C
Power	120 VAC or 240 VAC, specify, 50/60 Hz
Integral Power Supply	24 VDC, unregulated
Weight	12 lb. (5.4 kg)
Size	12" H x 16" W x 10" D (305 x 406 x 254 mm)

Relative Humidity Calibrator

Model 5110

An affordable RH calibrator

Wide range, 0 to 99.9% RH

Maintains accuracies of 1.0% between 20% and 80% RH

Completely portable with carrying case

Ordering Information

5110	Relative Humidity Calibrator
5110-220	Relative Humidity Calibrator (220 VAC)
5021	Dessicant, 5 lb. jar

Doing RH calibrations? The Model 5110 RH Calibrator from General Eastern is a complete system for relative humidity calibrations from 0.0% to 99.9% in increments of 0.1%. It includes a NIST-traceable calibration, has a 15-minute response time, an RS-232 port, repeatability of 0.2%, and optional software for creating a customized plot of RH versus time.

Calibrating your humidity instruments is a snap with the 5110 RH Calibrator. Forget limiting your test values to the fixed points provided by salt bottles. Test your equipment at the actual RH values they operate within. Any set-point you select is stable and repeatable to 0.2% RH.

A divided air-flow system is used to generate the RH level quickly and accurately in the built-in test chamber. A column of air is separated into two precisely

proportioned streams, one saturated and the other dry. The desired RH is created by precision mixing of the air streams.

Relative humidity is set on the LED display in 0.1% increments using the front-panel switch. Test profiles can be loaded into memory from your computer through the 5110's RS-232 port.

The covered test chamber is easily accessed through a lift-off acrylic lid that can be drilled and modified to your needs.

The Model 5110 RH Calibrator is convenient to use and totally self-contained for portability and versatility. It's a great instrument at an excellent price.



Read about our accredited calibration services on page 156.



Get the latest product information at www.hartscientific.com