



## Edgetech RH CAL Portable Relative Humidity Calibrator

Portable, NIST traceable chilled mirror calibration chamber for relative humidity, temperature, and dew point.

[Learn more...](#)



**Starting at \$14,500.00 USD**

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### MANUFACTURED

- By [Edgetech Instruments](#)

### INCLUDES

- [FREE Ground Shipping](#)
- [FREE Lifetime Tech Support](#)

### AVAILABILITY

- **Usually ships in 4-6 weeks** [?](#)

## Features

- Temperature and RH Ranges:
  - RH: 5 to 95%
  - AT: 10 to 50 °C

- Dew/Frost Point: –40 to 60°C, D2 Sensor
- Accuracy:
  - RH:  $\pm 0.5\%$
  - AT:  $\pm 0.1^\circ\text{C}$
  - Dew/Frost Point:  $\pm 0.2^\circ\text{C}$  nominal
- Dew/Frost Point and Temperature Sensors: 3-wire Platinum Resistance Thermometer (PRT), 100 ohms at 0°C, nominal
- Depression: 60°C (113°F), nominal, D2 sensor
- Slew Rate: 1.0°C (1.8°F)/second max., above 0°C
- Repeatability:  $\pm 0.05^\circ\text{C}$
- Hysteresis: Negligible
- Outputs: Analog:
  - 0 to 5 VDC or 4 to 20 mA
  - RS232C serial port
- Sample Flow Rate: 1 liter/minute (2.0 SCFH)
- 100 to 240 VAC, 50-60 Hz

The Edgetech RH CAL portable relative humidity calibrator features optical chilled mirror technology and is entirely self-sufficient. It does not need compressed air or a water connection to operate, which allows this Edgetech system to be truly portable. The Edgetech RH CAL is a microprocessor-based, programmable humidity calibration system that can perform on-site, NIST traceable calibrations.

The Edgetech RH CAL system offers the highest accuracy available for both relative humidity ( $\pm 0.5\%$ ) and ambient temperature ( $\pm 0.1^\circ\text{C}$ ). With RH CAL, temperature and relative humidity are controlled independently; therefore you are not limited to performing calibrations at the surrounding ambient temperature.

Other features of the Edgetech RH CAL portable relative humidity calibrator include automatic balance cycle (ABC), and an integral ambient temperature probe and D2 chilled mirror sensor which are located in the sample chamber providing not only superior accuracy, but the fastest response as well.

## Spec Sheets

- [Edgetech RH CAL Portable Relative Humidity Calibrator Datasheet PDF \(460 KB\)](#)

## Links

- [All possible part numbers](#)



### **Edgetech CCA Humidity Probe**

\$499.00 USD USD

Standard Humidity Probe, Chamber cover, insulated.



### **Edgetech BBC Blank Chamber Cover**

\$225.00 USD USD

Blank Chamber Cover, for use with Data Loggers or other completely immersed.



### **Edgetech DPC D-Probe Chamber Cover**

\$499.00 USD USD

Edgetech Instruments D-probe, chamber cover, insulated



### **Edgetech WMC Wall Mount Chamber Cover**

\$225.00 USD USD

Wall Mount Humidity Transmitter Chamber Cover, insulated.



### **Edgetech DC Desiccant Canister**

\$440.00 USD USD

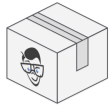
Spare desiccant canister filled with DrieRite.



### **Edgetech DrieRite Jar**

**Starting at \$109.00 USD USD**

DrieRite, 1lb or 5lb sizes available.

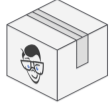


## **Edgetech SR Spare Seals**

\$75.00 USD USD

Spare Seals for probe access ports.

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## **Edgetech Humidity Generator Seal**

\$60.00 USD USD

Replacement Humidity Generator Seals (3), Red, seals the SS tube during transportation.

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This product can be used in the following applications:

- [Building Automation Systems](#)
- [Compressed Air](#)
- [Environmental Monitoring](#)
- [Food / Beverage](#)
- [Home Inspection / Restoration](#)
- [HVAC/R System Monitoring](#)
- [Indoor Growing](#)
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**Need Help?** Call a Calibration Engineer at **1-800-445-6214**

We're open 8:00am to 5:30pm ET