

RH-CAL Humidity Calibration Chamber - %RH, DP, AT

APPLICATION: The RH CALIBRATOR was developed for precise calibration of Humidity Probes, Transmitters, and Data Loggers. It is a high-end portable reference humidity calibrator that is traceable to international standards. The RH-CAL is widely used in the field by Calibration Houses, Pharmaceutical Maintenance Technicians, Metrology Labs as well as in laboratory and research applications. It can be used to calibrate a variety humidity probes including the standard 0.5" dia. through 3/4" probes as well as wall mounted humidity transmitters and data loggers. It has also been used to humidity/ temperature soak small electronic, medical packaging, food packaging, and moisture sensitive products that can fit within the 5in H x 3in W chamber.



DESCRIPTION: The **Model RH-CAL** is a transportable NIST-traceable relative humidity generator and calibration unit that is continuously monitored and controlled by a chilled mirror hygrometer and precision RTD.

Accuracy: Relative Humidity ($\pm 0.5\%$)

Temperature ($\pm 0.1^\circ\text{C}$) and Dew point ($\pm 0.2^\circ\text{C}$)

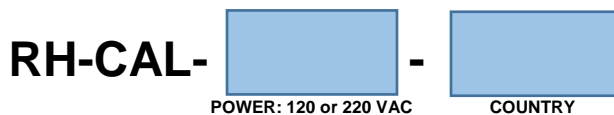
Complete with integral mounted Chilled Mirror Hygrometer, Blending Gas Flow Meter, Desiccant Canister, CCA completely installed chamber cover with gasket kit, Power Cord, instruction manual and one year warranty. There are no options, so simply indicate **RH- CAL** when ordering. This configuration comes fully functional and complete with the Chamber Cover completely assembled with a gasket kit.

The RH-Cal features a universal Power Supply, however, please specify 110 or 220 VAC operation and destination country so that we install the proper power fuse and include a power cord configuration.

Operation: In standard operation, the RH-CAL pulls in room air using the integral pump. The air enters the on-board flow meter where you can adjust flow as required for proper control. Air is dried via the on-board desiccant dryer. Some of the dried air circulates through the on-board humidity generator. This "wet" gas is automatically blended with dry air at the blending control valve based on demand requirements determined by the chilled mirror sensor located at the humidity chamber. The chamber environment is automatically controlled to the desired humidity and temperature as entered in the main display control pad. For low RH% levels, dry air can be input to the RH-CAL instead of using room air. In this case the pressure of the input gas (Nitrogen, for example) cannot exceed 10 psig.

TO ORDER THE RH-CAL:

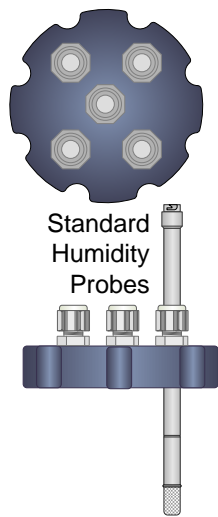
Only one configuration other than country and power



RHCAL Portable Relative Humidity Calibration Chamber.....\$13,750.00

LIST SEPARATELEY- ACCESSORIES/ SPARE PARTS:

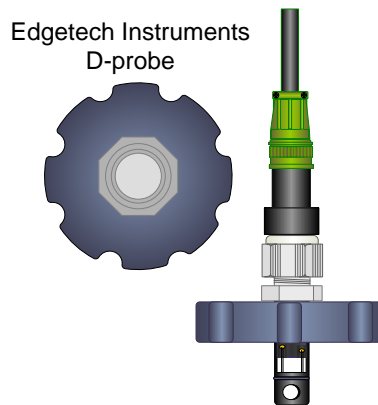
CCA	Standard Humidity Probe – Chamber Cover, Insulated	\$ 499.00
BBC	Blank Chamber Cover, for use with Data Loggers or other completely immersed	\$ 199.00
DPC	Edgetech Instruments D-Probe – Chamber Cover, Insulated	\$ 499.00
WMC	Wall Mount Humidity Transmitter Chamber Cover, Insulated	\$ 199.00
DC	Spare Desiccant canister filled with DrieRite™	\$ 399.00
DR1	DrieRite™ 1 Lb. Jar	\$ 99.00
DR5	DrieRite™ 5 Lb. Jar	\$ 199.00
SR	Spare Seals for probe access ports	\$ 69.00
1690	Foam Lined Rugged Plastic Shipping Case	\$ 750.00
HC	Replacement Humidity Generator Seals (3), Red, seals the SS tube during transportation	\$ 50.00



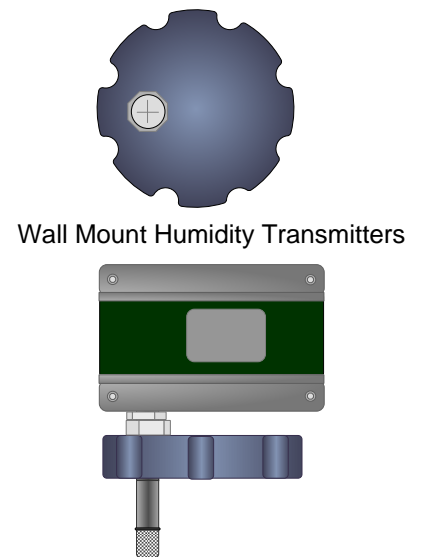
CCA



BCC



DPC



WMC

Extended Warranty/Calibration Options: Please list as separate line items:

3EXTW	3 Year Extended Warranty includes repairs covered in the warranty statement	\$ 800.00
3YNIST2P	3 NIST Traceable Calibrations for the price of 2 (2 Parameters)	\$ 1,430.00