

HUMIDITY SYSTEMS

Humidity Systems, Inc.
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Humidity Systems is a full service humidity calibration, instrumentation, and rental provider serving all of your humidity measurement and application needs.

Calibrations

Our state of the art calibration laboratory employs several techniques necessary to cover the full-range of humidity calibration including divided flow, two-temperature and the fundamental NIST proven "two-pressure two-temperature." Our metrology lab's calibration capabilities stretch to the outermost extremes of humidity from trace moisture in the sub ppm (parts per million) level to super-saturated dew points up to 95 °C (and beyond at elevated pressure). Our lab uses only the best standard chilled mirror hygrometers, humidity, and temperature standards from the industry leaders such as Thunder Scientific, PGC, EdgeTech, General Eastern, Pond Engineering, and Hart Scientific just to name a few. Our primary reference hygrometers are calibrated directly by NIST assuring you the lowest possible uncertainties.

By focusing solely on humidity, our expert metrologists can provide the highest quality service with the lowest possible turnaround times (2-3 days typical).

Capabilities



Parameter	Range
Relative Humidity(%RH)	<0.01%RH to >98%RH
Dew/ Frost Point	-90 °C to >95 °C
Temperature	-85 °C to 150 °C
Absolute Humidity	<0.1ppmv to 1X10 ⁶ ppmv
Pressure	Opsi to 300psi
Water Activity (Aw)	0.001Aw to 1.0Aw

Rentals

Humidity Systems offers a full range of instrumentation available for short-term or long-term rental. We offer everything from portable handheld humidity meters and chart recorders to fixed humidity and dew point transmitters and even chilled mirror hygrometers. Our rental arsenal includes instruments from the top manufacturers in the field of hygrometry including EdgeTech/ EG&G, General Eastern/ GE, Rotronic, Testo and Vaisala. Call or email with your specific requirements and we will match the proper device to your application.

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