

RH-300

A Compact, High-Resolution Water Vapor Analyzer



The RH-300 Water Vapor Analyzer

The RH-300 is a flow-through water vapor analyzer that allows in-line measurement of %RH and is capable of H₂O measurement in a range of applications from respirometry to industrial gas monitoring. Unlike other water vapor analyzers, the RH-300 measures %RH and also displays dewpoint and water vapor pressure.



Water Vapor Dilution Compensation

Water vapor dilution significantly affects oxygen concentration readings. The RH-300 can be used to mathematically compensate for water vapor dilution and eliminates the need for scrubber chemicals.

Digital, 2-line alphanumeric display

The RH-300 has a display and control knobs that allow the user to span, calibrate, and change multiple settings at the analyzer.

Three year warranty

Sable Systems instruments are warranted to be free of defects in material or workmanship for a period of three (3) years from date of purchase. See website for warranty policy.

Lifetime Technical Support

Our technical support team will help you overcome any challenges you may face with equipment setup as well as provide advice and assistance on future applications.

Specifications:

Sensor Type: Thin-film capacitive

Range: 0-100%RH

Accuracy: H₂O: 1% typical 0-95%RH, better than 2% 95-100%RH, 0.5 °C dewpoint

Resolution: 0.001%RH, 0.01° dewpoint,

Drift: < 0.01%RH/hr (At constant temperature with constant N₂ flow at 50 mL/min)

Weight: 2lbs/1kg (4.5lbs/2kg with packaging)

Dimensions: W: 7in/18cm, H: 4in/10cm, D: 7in/18cm

Power Requirements: 12-15 VDC nominal, 175-250mA consumption; universal AC adapter supplied

Flow Rate: 5-2,000mL/min (5-500mL/min recommended)

Analog Outputs: One (1) 0-5V BNC user selectable for %RH, dewpoint (°C, °F), water vapor pressure (kPa, ug/mL)

Digital Outputs: RS-232 (serial)

Operating Conditions: 0-50 °C, non-condensing

Optional Configurations:

Remote Sensor: Allows flow-through sample to be taken up to 25' from instrument.

Connectors: A variety of external gas connectors and fittings are available to meet your needs. Call for more information.

Contact Sable Systems.

We encourage you to discuss your application with us.

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Fax: 702-269-4446.

On the Web: www.sablesys.com

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