



**ohmic instruments co.**

508 August Street, Easton, Maryland 21601  
(410) 820-5111 (800) 626-7713 Fax (410) 822-9633  
www.ohmicinstruments.com  
e-mail: ohmic@ohmicinstruments.com



**INDUSTRIAL & ENVIRONMENTAL SENSORS, INSTRUMENTS & CONTROLS SINCE 1969**

**RELATIVE HUMIDITY FIELD CALIBRATION REFERENCE MODULES**



These field calibration modules cover the range from 12% to 90% relative humidity (RH). Each module contains a saturated salt solution to provide a constant humidity reference. Solutions are available for 12%, 33%, 55%, 75% and 90% RH; each label shows the reference value. Accuracy +/- 1 TO 2 % depending on temperature and vial range. The calibrator is equipped with an O-ring seal to fit over the probe to provide a tight seal. The shelf life of these calibrators depends on use and ambient humidity and temperature conditions. Visible salt crystals and water indicate that the solution is saturated and will provide indicated RH. If the 75% and 90% calibrators become dry they can be refilled with distilled water. Refer to your RH instrument's instruction manual for field calibration procedure and location of "zero" and "span" adjustment potentiometers. For higher accuracy, a two-reference point calibration is recommended. Accepts standard 3/4" probes.

**RH STANDARDS TO VERIFY CALIBRATION OF RH TRANSMITTERS**

#### **Calibration Procedure**

1. Stabilize reference for 30 min. at 20 °C.
2. If used remove teflon filter from probe.
3. Turn on RH meter. Insert probe in calibration bottle. NOTE: **A tight seal is important.**
4. After reading stabilizes (approx 15-30 min.) adjust RH meter to value on calibrator.  
For 2-point calibration use above procedure with 2 vials. Alternate until upper and lower reading each equal calibrator value.
5. Calibration module should be allowed to stabilize in temperature with no sunlight or heating.

#### **Relative Humidity Calibration Modules**

**Model A000050..... 12% RH Calibrator**

**Model A000060..... 33% RH Calibrator**

**Model A000070..... 55% RH Calibrator**

**Model A000080..... 75% RH Calibrator**

**Model A000090..... 90% RH Calibrator**

**ENGINEERING SUPPORT:** OHMIC Instruments Co. designs and manufactures a full line of environmental and bio-medical sensors, instruments and controls. Many of our products are custom designed to meet specific requirements. Our engineers will be pleased to discuss your application.