

Information Sheet



Relative Humidity Calibration Reference Standards

RH300-CAL for use with Extech RH300 Humidity Meter

Introduction

Congratulations on your purchase of the Extech Relative Humidity Calibration Standards. Two bottles are included, one for the 75% Relative Humidity reference and one for the 33% Relative Humidity reference. The 75% Relative Humidity reference uses Sodium Chloride (NaCl) to produce the standard. The 33% Relative Humidity reference uses Magnesium Chloride (MgCl). Instructions for calibrating Extech Instruments Humidity Meters, using these reference standards, are supplied with the Humidity Meter.

Temperature Compensation

These standards provide a Relative Humidity reference at room temperature (68°F and 20°C). If the reference is allowed to deviate from room temperature, the Relative Humidity provided by the standard will be lower or higher, depending on the temperature.

| 33% Reference Standard | | | | | |
|------------------------|-------------|-------------|-------------|-------------|-------------|
| Temperature | 59°F (15°C) | 68°F (20°C) | 77°F (25°C) | 86°F (30°C) | 95°F (35°C) |
| Relative Humidity | 33.30% | 33.07% | 32.78% | 32.44% | 32.05% |
| 75% Reference Standard | | | | | |
| Temperature | 59°F (15°C) | 68°F (20°C) | 77°F (25°C) | 86°F (30°C) | 95°F (35°C) |
| Relative Humidity | 75.61% | 75.47% | 75.29% | 75.09% | 74.87% |

Care and Use

The reference bottles should be kept closed and tightly sealed when not in use. If the contents of the bottles are left to dry and harden, the bottles must be immediately replaced.

Copyright © 2006 Extech Instruments Corporation.

All rights reserved including the right of reproduction in whole or in part in any form.

RH300-CAL V1.1 3/06