ROTRONIC® MEASURES HUMIDITY



## APPLICATIONS

Reference equipment check

For all humidity measuring instruments

Quality management systems, such as ISO9001




Calibration equipment



# Traceable measurement results now!
# SCS certified humidity standards

**SCS**

## MAIN FEATURES

- Cost saving calibration on site
- Simple to use
- Unlimited shelf life
- Traceability according to ISO 9001
- Best uncertainty of measurement ±0,1% rh

CERTIFIED ISO 9001 rotronic ag QUALITY

SWISS CALIBRATION

ROTRONIC - Your
SCS Calibration Laboratory
for Relative Humidity
Accred. Reg N°. 065

rotronic ag

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## SCS* Humidity Standards

These new ROTRONIC standards are presented in boxes of five sealed glass ampoules of the same value. Each ampoule is marked with the %rh value and a serial number to permit easy identification. The most frequently used standards are the EA35 (35 %rh) and the EA80 (80 %rh). These permit a two point calibration of any ROTRONIC instrument. With the exception of the 0%rh standard the ampoules hold a non saturated salt solution. Granules of a highly porous ceramic (molecular sieve) are used for the 0%rh standard. When our procedures are being followed, calibration with the ROTRONIC standards typically result in an accuracy of ±1%rh. Each calibration set comes with SCS certificate that guarantees the traceability and accuracy of the humidity standard applied.

* SCS = Swiss Calibration Services

## Calibration Devices

A calibration device is a small airtight container that fits on a probe of the instrument and seals around the humidity sensor. The calibration device is equipped with a small receptacle which is used to hold the humidity standard. After allowing equilibration (typically 60 minutes under stable temperature conditions), a known humidity is produced inside the calibration device. At that time, the instrument can be adjusted against the reference humidity value. Calibration devices of different configurations are available to fit all ROTRONIC probes. We also customise the calibration device requested for your equipment.



**EM-15/25**
**screw-on**



**EMV-15/25**
**screw-on, vertical**



**EGL/ER-15**
**push-on**



**ERV-15**
**push-on, vertical**



**EGS**
**For HP101A-S, S1**



**EDM15/25**
**Dual probe device**



**We manufacture the suitable calibration device for your probe too**

### Ordering data for SCS Humidity Standards and Calibration Devices

| Order numbers | Description | Order numbers | Description |
|---|---|---|---|
| **SCS CERTIFIED HUMIDITY STANDARDS** | | **CALIBRATION DEVICES** | |
| EA00-SCS | 0% rh Standard | EGL | for probes 10 mm Ø |
| EA05-SCS | 5% rh Standard | EM-15 | for probes 15 mm Ø, screw-on |
| | | EMV-15 | for probes 15 mm Ø, screw-on, vertical |
| EA10-SCS | 10% rh Standard | ER-15 | for probes 15 mm Ø, push-on |
| EA20-SCS | 20% rh Standard | ERV-15 | for probes 15 mm Ø, push-on, vertical |
| EA35-SCS | 35% rh Standard | EM-25 | for probes 25 mm Ø, screw-on |
| EA50-SCS | 50% rh Standard | EMV-25 | for probes 25 mm Ø, screw-on, vertical |
| EA65-SCS | 65% rh Standard | EGS | for all ROTRONIC sword probes |
| EA80-SCS | 80% rh Standard | EDM15/25 | for 2 probes |
| EA95-SCS | 95% rh Standard | ??? | Your device, please call us for more informations! |