



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 $\pm 0,1\%$ rh



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



UK Distribution by IMA Ltd:
Phone: +44 (0)1943 878877
Email: info@ima.co.uk
Web: www.ima.co.uk

rotronic ag

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 $\pm 1\%$ 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!