



**APPLICATIONS**

- Department stores
- Store rooms
- EDP rooms
- Printing and paper industry
- Building industry
- Pharmaceutical industry
- Foodstuffs industry
- Hospitals
- Museums



Climate probe A1



Solid material probe M1



Sword probe S1



Design, technology, precision

# Handy humidity and temperature measurement instruments of the HYGROMER® series

## A1/M1/S1

**MAIN FEATURES**

- Swivelling probe
- Large and clear display
- Simple operation
- HOLD button
- AUTO POWER OFF
- Low Bat display
- Battery/acc. operation
- SWISS MADE



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

**rotronic ag**

## Technical Data for Series A1/M1/S1

	A1	M1	S1
<b>Humidity sensor</b>		<b>HYGROMER®-C94</b>	
<b>Temperature sensor</b>		<b>Pt100 B</b>	
Humidity operating range	5...100% rh	5...100% rh	5...100% rh
Temperature operating range	-25...+75 °C	-10...+60 °C	-10...+60 °C
Electronics operating range			
Humidity, not condensing	0...95% rh	0...95% rh	0...95% rh
Temperature	-10...+60 °C	-10...+60 °C	-10...+60 °C
Humidity accuracy (at 23°C)	±1,5% rh (15...90% rh)/±2,5% rh (<15/>90% rh)		
Temperature accuracy	±0,3 K		
Time constant (at 23°C)	<10 s (% rh), <10 s (°C)		
Reproducibility	better than 0,5% rh/0,1 K		
Humidity calibration adjustment	on the side with potentiometer		
Automatic switch-off	after 2 minutes		
Display	LCD double display		
Resolution	0,1% rh, 0,1 °C (°F)		
Hold function	Display on LCD		
Supply voltage	Battery 9 Volt, IEC 6LF22 Accumulator, Tr 7/8 IEC 6F22, 9V, 110 mAh		
Maximum current consumption	approx. 4 mA		
Battery test	permanent display		
Housing material	ABS, grey		
Housing dimensions	190 x 63 x 26 mm		
Probe material	Polyamide	Stainless steel	Aluminium
Probe dimensions	150 x 10 mm	280 x 10 mm	280 x 18 x 4 mm
Weight with probe	230 g	260 g	260 g

### Ordering data for HYGROMER® series A1/M1/S1

Order numbers	Designation	Accessories
A1	Handheld instrument with climate probe	–
M1	Handheld instrument with rod probe for measurement of equilibrium relative humidity of solids e.g. concrete, granules etc	–
S1	Handheld instrument with sword probe for measurement of equilibrium relative humidity of paper, card etc	–
A1 set	Handheld instrument, case, calibration device, humidity standard	
M1 set	Handheld instrument, case, calibration device, humidity standard	
S1 set	Handheld instrument, case, calibration device, humidity standard	
AC1110	Case for A1	•
AC1111	Case for M1 and S1	•
AC1001	Sealing device for measurements in concrete for M1	•
AC1201	Accumulator Tr7/8 IEC6F22	•
AC1205	Charger for accumulator	•
SP-TS12	Filter for handheld instrument A1	•
EGL	Calibration device EGL for A1 and M1	•
EGS	Calibration device EGS for S1	•
EA50-SCS	Humidity standard 50%RH for A1, M1 and S1	•

Other humidity standards on request