

HYGROLOG

HYGROCLIP®

Humidity goes Digital



Humidity Temperature Data Logger compact • accurate • calibration-free

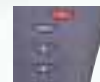
- Advanced sensor technology with microprocessor and ASIC provides accuracy better than $\pm 1.5\% \text{RH}$ and $\pm 0.3^\circ \text{C}$
- Fully programmable with alarm, loop and start-stop modes
- 5,000 datapoints recording both humidity and temperature
- Up to one year operation without battery replacement
- Powerful, user friendly Windows based software
- Probe can be separated from electronics for measurements in the range of $-40 \dots 85^\circ \text{C}$ ($-40 \dots 185^\circ \text{F}$)

**CALRIGHT
INSTRUMENTS**

The Right Source For Your Test & Measurement Needs

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rotronic



TECHNICAL DATA

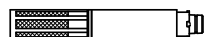
	HygroLog	HygroLog-D
Plug-in probe	HygroClip S (included)	
Humidity Sensor	ROTRONIC HYGROMER® C94 (capacitive)	
Temperature Sensor	Pt100 1/3 DIN RTD	
Operating Range - Logger	0...100%RH	0...100%RH
.	-10...50°C with alkaline batteries	-10...50°C (limited by LC display)
.	-20...70°C with lithium batteries	
Operating Range - Probe	0...100%RH and -40...85°C (use extension cable for full temperature range)	
Accuracy at 23°C	better than ±1.5%RH and ±0.3°C / ±0.5°F	
Repeatability	<0.5%RH and 0.1°C	
Memory	5,000 x humidity and temperature data points	
Log Interval	15 sec to 120 minutes	
Batteries	3 x 1.5V (AA)	
Battery Life (5 min. log interval)	about 1 year	about 6 months
External Power	8...20VDC (requires HYGROLOG-IPH holder and AC adapter)	
PC Connection	by Hygrodata-HL data cable to a serial port (after unplugging the HygroClip probe)	
Software	HW3 (included with Hygrodata-HL)	
PC requirements	Microsoft Windows 95/98/Me, NT, 2000 233 MHz Pentium, 32 MB RAM, VGA monitor:	
.	minimum 800x600, 256 colors or higher	
Case Material	ABS	
Protection Grade	IP65	
Dimensions	140x85x25mm (5.51x3.35x0.98")	
Weight	200g (0.44lb)	

ACCESSORIES

HYGROLOG-IPH	Wall-mount holder, can be used with or without AC adapter
HYGROLOG-SP	Shock protection for HygroLog/D
MOK-xx-DAT05	Extension cable for the HygroClip
	02 (2m/6ft) or 05 (5m/15ft maximum length)

HygroLog Probe Options

The ROTRONIC HygroClip digital probes are available in different configurations so as to meet the requirements of each application:



L. 100mm (3.9") Dia. 15mm (0.6")

HygroClip S

for measurement in air, max. 85°C (185°F) wire mesh filter



Tube L. 200mm (7.9")
Dia. 5mm (0.2")

Cable 2m (6.5ft)

HygroClip SP05

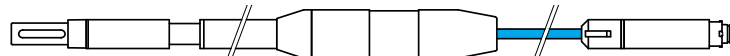
for measurement in air ducts, max. 85°C (185°F)



Dia. 5mm (0.2")
Cable 2m (6.5ft)

HygroClip SC05

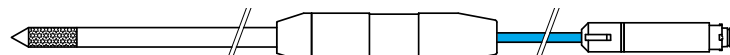
for measurement in tight spaces, max. 100°C (212°F)



Tube L. 250mm/400mm (9.8/15.7") Dia. 15mm (0.6") Cable 2m (6.5ft)

HygroClip HK25 / HK40

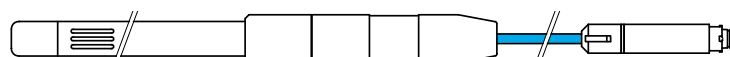
air probe for measurement at high temperature HK25: max. 150°C (302°F)/HK40: max. 200°C (392°F) wire mesh filter



Tube L. 280mm (11") Dia. 10mm (0.4") Cable 2m (6.5ft)

HygroClip HP28 insertion probe

for measurement of materials in bulk, max. 85°C (185°F) sintered steel filter



Blade L. 280mm (11") W. 18mm (0.7") T. 4mm (0.16") Cable 2m (6.5ft)

HygroClip HS28 sword probe

for measurement of paper stacks/rolls, max. 85°C (185°F)