

HANDHELD DEVICES

MEASURING DEVICES FOR THE PAPER INDUSTRY

The GTS is a classic ROTRONIC product that has been produced for many years. It was developed specifically for measurement of equilibrium relative humidity in stacks of paper and cardboard. Its robust design together with updated electronics make the GTS the most popular instrument for humidity measurements in stacks of paper and cardboard.

Applications

For paper technicians, printers, merchants and printing equipment service engineers for ERH measurements in stacks of paper and card

Highlights

- Fixed sword probe for equilibrium humidity and temperature
- Sturdy, very robust mechanical components
- Display of equilibrium humidity or temperature
- Easy operation by push button
- Adjustment by potentiometer
- Application range 0...100 %rh / -10...60 °C
- Battery or rechargeable battery operation
- Battery charge monitor (low battery indicator)
- Hold and auto power off functions

GTS

Order code GTS

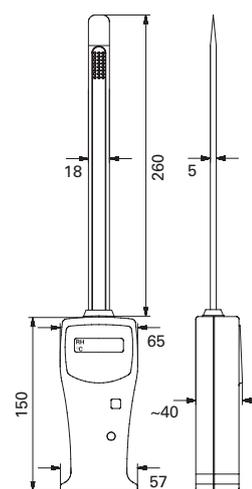
- Integrated, robust aluminium sword probe
- 9 V battery
- Adjusted at 23 °C and 35, 80 %rh
- Accuracy: ± 1.5 %rh / ± 0.3 K

GTS SET

Order code GTS-Set

Complete set, consisting of:

- Handheld device GTS
- Carry case AC1102
- Calibration device EGS
- SCS calibration standard EA50-SCS (5 ampoules 50 %rh with SCS certificate)
- Adjustment tool



SWORD HYGROMETER WITH FOLD-AWAY PROBE

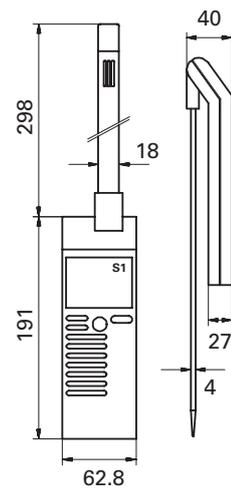
The S1 sword hygrometer is very popular among printers and paper technicians because its probe can be folded away for safe storage and the display angled towards the user. Perfect for the paper technicians, service engineers and paper consultants.

Applications

For paper technicians, printers and print instructors, for measurements in stacks of paper

Highlights and common features

- Sword probe for equilibrium relative humidity (ERH) and temperature
- Adjustable probe position
- Large, clear display of both parameters
- Easy operation
- Adjustment by potentiometer
- Application range 0...100 %rh / -10...60 °C
- Battery charge monitor (low battery indicator)
- Hold function
- Auto power off



S1

Order code S1

- Integrated, hinged aluminium sword probe
- 9 V battery
- Adjusted at 23 °C and 35, 80 %rh
- Accuracy: ± 1.5 %rh / ± 0.3 K

Specifications	GTS	S1
Humidity sensor	Hygromer® IN-1	
Temperature sensor	Pt100 Class B	
Display	3-digit LCD	%rh: 3-digit LCD, °C: 3 1/2-digit LCD
Resolution	0.1 %rh / 0.1 °C	
Units	%rh, °C	%rh, °C, °F
Probe adjustment	35 / 80 %rh	35 / 80 / 10 % / T min / T max
Electronics operating range	0...100 %rh -10...60 °C	0...100 %rh -10...50 °C
Measurement ranges %rh / T	5...99.9 %rh / 0...50 °C	5...99.9 %rh / -25...75 °C
Response time	<10 s	
Accuracy at 23 °C	± 1.5 %rh / ± 0.3 K (± 2.5 <15 % >90 %)	
Reproducibility	<0.5 %rh / <0.1 K	
Dimensions (mm)	420 x 70 x 40 (device)	191 x 63 x 26 (device)
	260 x 18 x 5 (probe)	280 x 18 x 4 (probe)
Housing material	ABS	
Probe material	Aluminium	
Protection	IP 50	
Weight	Approx. 400 g	Approx. 350 g