

STANDARD PROBES

STANDARD CLIMATE PROBES

Applications

HVAC, food stores, health inspection agencies, warehouse mapping, building automation systems, paper, textile and pharmaceutical industries

Use

Handheld instruments, data loggers, transmitters, OEM systems

Highlights

- Measures relative humidity, temperature and dew/frost point
- Saves up to 2,000 measurement pairs*
- Range of application 0...100 %rh / -50...100 °C
- UART interface and freely scalable analog signals 0...1 V
- Standard scaling 0...1 V = 0...100 %rh / -40...60 °C
- Probe with adjustment profile 'Standard' factory adjustment certificate

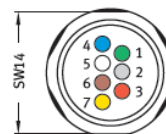
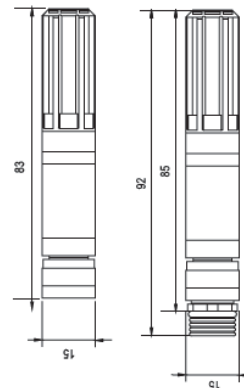


Order code	HC2-S	HC2-SH	HC2-S3	HC2-S3H
Type	Standard probe		Meteorology probe	
Material	Polycarbonate housing			
Color	Anthracite		White	
Adjustment	At 23 °C and 10, 35, 80 %rh			
Accuracy	±0.8 %rh / ±0.1 K	±0.5 %rh / ±0.1 K	±0.8 %rh / ±0.1 K	±0.5 %rh / ±0.1 K
Weight	Approx. 10 g			
Filter	Polyethylene filter included			
Sensor	Hygromer IN-1		Hygromer V-1	
Response time	10 s (63 % change)		3 s (63 % change)	

* Optional, requires HW4 software

Order code	HC2-R	HC2-R3
Type	Exchange/refurbished probe with new humidity sensor	
Material	Polycarbonate housing	
Color	Anthracite	White
Adjustment	At 23 °C and 10, 35, 80 %rh	
Accuracy	±0.8 %rh / ±0.1 K	
Weight	Approx. 10 g	
Filter	Polyethylene filter included	
Sensor	Hygromer IN-1	Hygromer V-1
Response time	10 s (63 % change)	3 s (63 % change)

* Optional, requires HW4 software



Electrical connections:
(all HygroClip2 probes with connector)

- 1 ● V+ (3.2 VDC to max. 5 VDC, ±0%; recommended: 3.3 VDC)
- 2 ○ GND (ground, digital and power)
- 3 ● RXD (UART)
- 4 ● TXD (UART)
- 5 ○ Analog signal %rh (0...100 %rh=0...1 V)
- 6 ● Analog signal °C (-40...60 °C = 0...1 V)
- 7 ● AGND (analog ground)

You can find detailed up-to-date information on our probes at www.rotronic-humidity.com.