

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

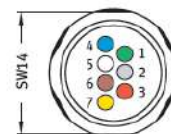
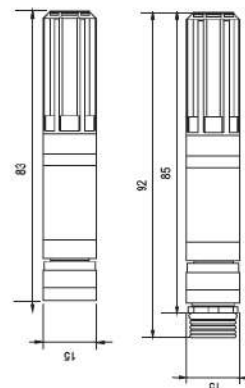


| Order code | HC2-S | HC2-SH | HC2-S3 | HC2-S3H |
|---------------|------------------------------|-------------------|-------------------|-------------------|
| Type | Standard probe | | Meteorology probe | |
| Material | Polycarbonate housing | | | |
| Color | Anthracite | | White | |
| Adjustment | 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.