

Miniature probes

The miniature probe is used for humidity and temperature measurement in confined spaces. It also calculates the dew/frost point and can be installed discretely. The 4 mm probe has a spike tip for insertion in walls.

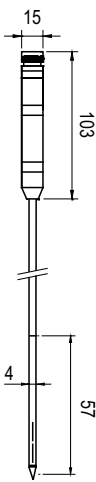
APPLICATIONS

Museums, glass cabinets, building material tests, automotive and aviation industries, testing laboratories, paper, textile and pharmaceutical industries.

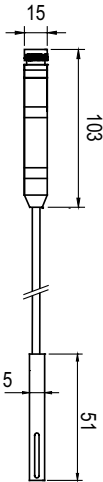
FEATURES

- Accuracy: $\pm 1.5\% \text{rh}$, $\pm 0.3 \text{ K}$, at $10 \dots 30 \text{ }^\circ\text{C}$
- Range of application: $-40 \dots 85 \text{ }^\circ\text{C}$ / $0 \dots 100\% \text{rh}$
- Digital interface (UART) and scalable analog outputs, $0 \dots 1 \text{ V}$
- Standard output scaling: $0 \dots 1 \text{ V} = -40 \dots 60 \text{ }^\circ\text{C}$ / $0 \dots 100\% \text{rh}$
- Adjusted at $23 \text{ }^\circ\text{C}$ and 10, 35, 80 %rh

Order code	HC2-C04	HC2-C05
Probe type	Cable probe, $\varnothing 4 \text{ mm}$	Cable probe, $\varnothing 5 \text{ mm}$
Accuracy	$\pm 1.5\% \text{rh}$, $\pm 0.3 \text{ K}$, at $10 \dots 30 \text{ }^\circ\text{C}$	
Power supply	$3.3 \dots 5 \text{ VDC}$, adjusted at 3.3 VDC , current: $\sim 4.5 \text{ mA}$	
Sensor type	ROTRONIC HYGROMER®IN-1, PT100 1/3 Class B	
Response time	$< 15 \text{ s}$, without filter	
Housing material	Stainless steel, DIN 1.4305	Brass, nickel-plated
Weight	85 g	85 g
Cable length	2 m	



HC2-C04



HC2-C05

Compatible

- Handheld instruments HP32
- Transmitters HF5, PF4, PF5

Delivery package

- Factory adjustment certificate

Recommended accessories

- Extension cable 2 m, black E2-02A
- Teflon filter for HC2-C05 SP-T05
- Calibration device ER-05
- Humidity standard for calibration 10 %rh EA10-SCS
- Humidity standard for calibration 35 %rh EA35-SCS
- Humidity standard for calibration 80 %rh EA80-SCS