

High temperature handheld probes

The handheld probe is especially suitable for portable measurements of high temperatures. It measures humidity and temperature and calculates the dew/frost point.

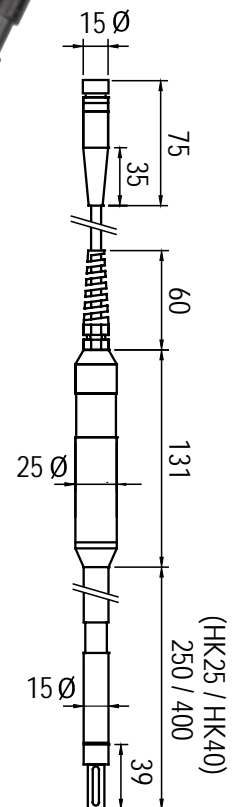
APPLICATIONS

Climate and temperature chambers, dryers, air ducts.

FEATURES

- Accuracy: $\pm 0.8\%RH$, $\pm 0.1\text{ K}$, at 10...30 °C
- Range of application: -100...170 °C/200 °C¹ / 0...100 %RH
- Digital interface (UART) and scalable analog outputs, 0...1 V
- Standard output scaling: 0...1 V = -40...60 °C / 0...100 %RH
- Adjusted at 23 °C and 10, 35, 80 %RH

Order code	HC2-HK25	HC2-HK40
Probe type	Handheld probe	
Dimensions	Ø 15 x 250 mm	Ø 15 x 400 mm
Accuracy	$\pm 0.8\%RH$, $\pm 0.1\text{ K}$, at 10...30 °C	
Power supply	3.3...5 VDC, adjusted at 3.3 VDC, current: ~4.5 mA	
Sensor type	ROTRONIC HYGROMER® IN-1, PT100 1/3 Class B	
Response time	<15 s, without filter	
Housing material	PEEK, brass, chemically nickel-plated	
Weight	210 g	240 g
Filter	Wire mesh filter	
Cable length	2 m	



Compatible

- Handheld instruments HP32
- Data loggers HL-NT3-D
- Transmitters HF5, HF8, PF4, PF5

Delivery package

- Factory adjustment certificate
- Wire mesh filter

Recommended accessories

- Filters ER-15
- Calibration device EA10-SCS
- Humidity standard for calibration 10 %RH EA35-SCS
- Humidity standard for calibration 35 %RH EA80-SCS
- Humidity standard for calibration 80 %RH

¹ Short-term peak load (3 x 5 min)