

Insertion probes

Ø 5 mm / 10 mm

The insertion probe is suitable for measurement in dust-free (P05) or dusty (HP28/50) bulk materials, bricks, concrete, etc. It measures humidity and temperature and calculates the dew/frost point.

APPLICATIONS

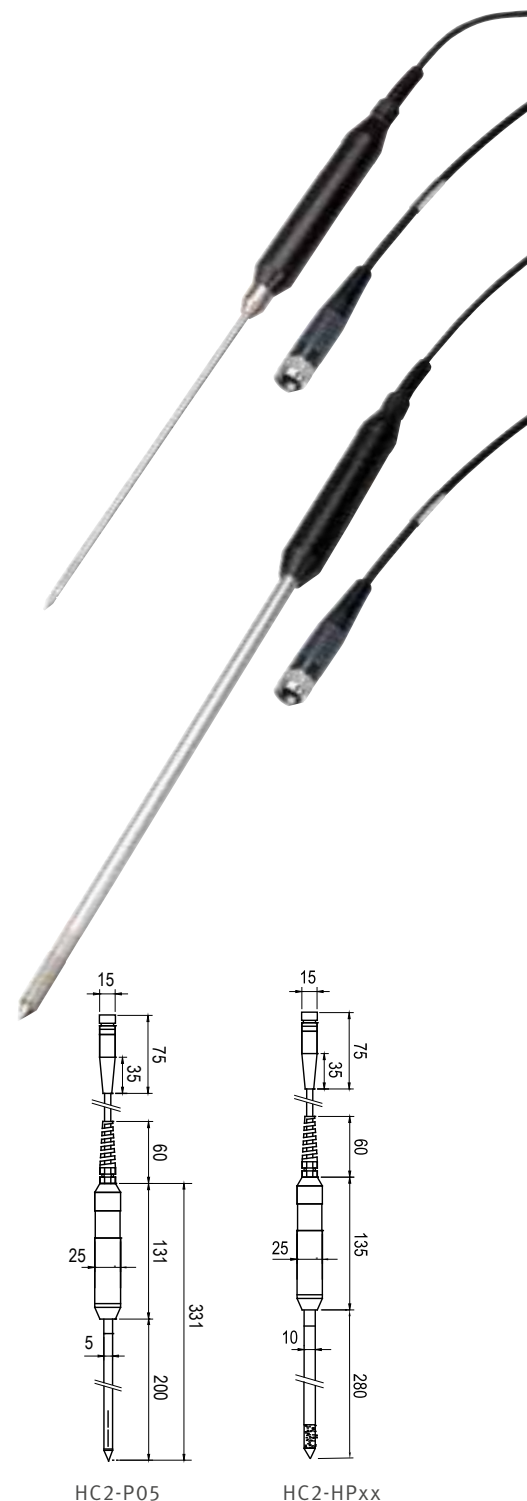
Water activity measurement
Portable measuring units with handheld instruments

FEATURES

- Accuracy: $\pm 0.8/1.5$ %rh, $\pm 0.1/0.3$ K, at 10...30 °C
- Range of application: -40...85 °C / 0...100 %rh
- Digital interface (UART)
- Standard output scaling: 0...1 V = -40...60 °C / 0...100 %rh
- Adjusted at 23 °C and 10, 35, 80 %rh

Order code	HC2-P05
Probe type	Ø 5 x 200 mm, insertion probe with laser cut slots
Accuracy	± 1.5 %rh, ± 0.3 K, at 10...30 °C
Power supply	3.3...5 VDC, adjusted at 3.3 VDC, current: ~4.5 mA
Filter type	No filter available
Sensor type	ROTRONIC HYGROMER® IN-1, PT100 1/3 Class B
Response time	<15 s
Material	Stainless steel DIN 1.4305 (probe), POM (handle)
Weight	160 g
Cable length	2 m

Order code	HC2-HP28
Probe length	Ø 10 x 280 mm
Accuracy	± 0.8 %rh, ± 0.1 K, at 10...30 °C
Power supply	3.3...5 VDC, adjusted at 3.3 VDC, current: ~4.5 mA
Filter type	Sintered steel
Sensor type	ROTRONIC HYGROMER® IN-1, PT100 1/3 Class B
Response time	<20 s, with filter
Material	Stainless steel DIN 1.4305 (probe), POM (handle)
Weight	200 g
Cable length	2 m



HC2-P05

HC2-HPxx

Compatible

- Handheld instruments HP32
- Transmitters HF5, PF4, PF5
- Laboratory analyzer HygroLab

Delivery package

- Factory adjustment certificate

Recommended accessories

- Replacement filter (HC2-HP28 / 50 sintered steel) ET-Z10
- Calibration device HC2-P05 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