

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

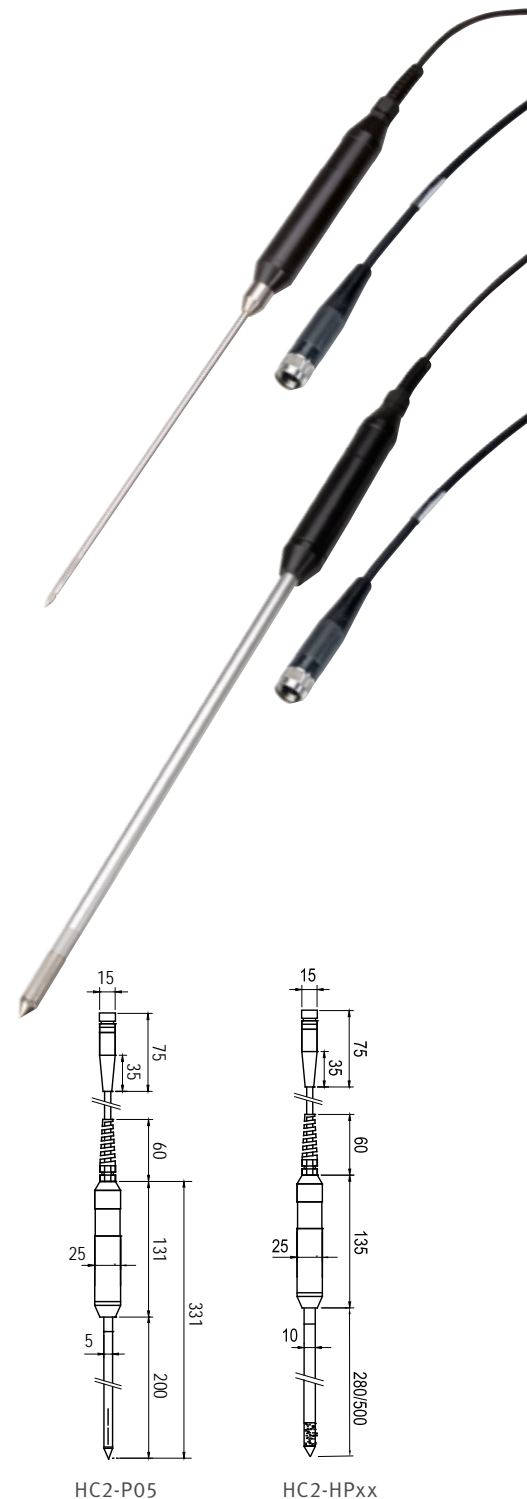
Water activity measurement
 Portable measuring units with handheld instruments and data loggers.

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
- Water activity measuring instrument HP23-AW-A
- Data loggers HL-NT3-D
- Transmitters HF5, HF8, PF4, PF5
- Laboratory analyzer HygroLab C1

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

Delivery package

- Factory adjustment certificate