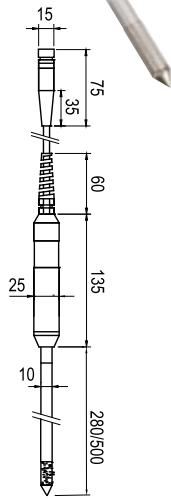


HC2-P05



HC2-HPxx

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, page 148

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	HC2-HP50
Probe length	Ø 10 x 280 mm	Ø 10 x 500 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	300 g
Cable length	2 m	



COMPATIBLE

- | | |
|---------------------------------------|-------------------------|
| • Handheld instruments | HP32, HP23-A |
| • Water activity measuring instrument | HP23-AW-A |
| • Data loggers | HL-NT2, HL-NT3, LOG-HC2 |
| • Transmitters | HF5, HF8, PF4 |
| • 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