

Aw Insertion probes

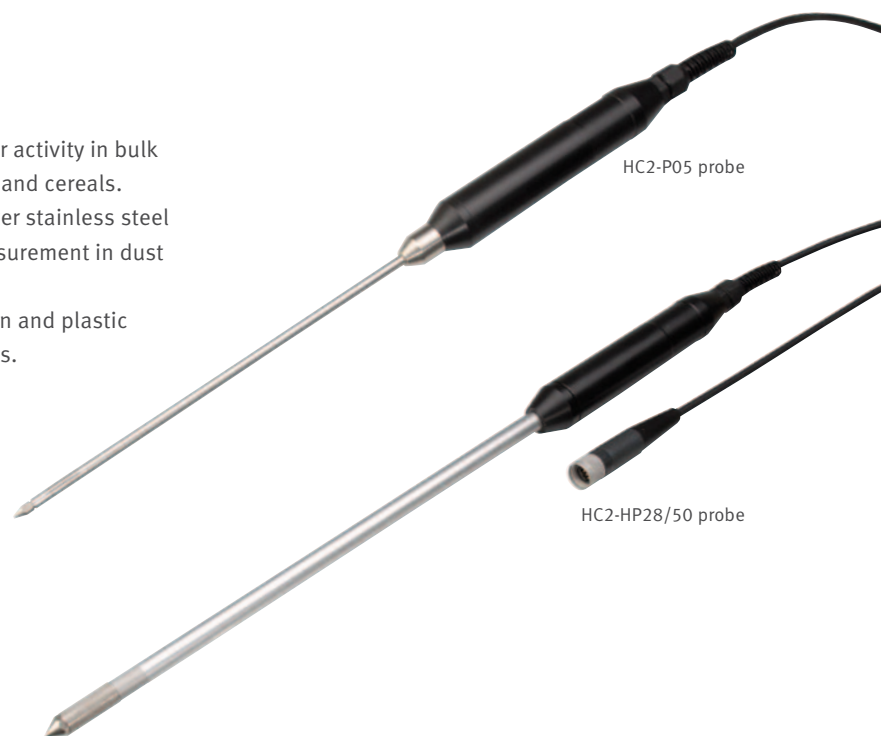
For direct measurement

The insertion probes are for direct measurement of water activity in bulk samples. Applications include powders, granules, grain and cereals. HC2-HP insertion probes feature a robust 10 mm diameter stainless steel probe with replaceable sintered steel dust filter for measurement in dust bulk material.

For dust free applications like tablets, gel capsules, grain and plastic granules the HC2-P05 fits perfectly with its laser cut slots.

Features

- 5 mm insertion probe for measurement in dust-free bulk materials
- 10 mm insertion probe for measurement in dusty bulk materials



Order code	HC2-P05	HC2-HP28	HC2-HP50
Probe length	Ø 5 x 200 mm	Ø 10 x 280 mm	Ø 10 x 500 mm
For use with	HygroLab C1, HP23-AW-A		
Accuracy at 23 °C ±5 K (73.4 °F)	±0.015 Aw / 1.5 %RH / ±0.3 K	±0.008 Aw / 0.8 %RH / ±0.1 K	
Temperature dependence	0.001 K/K, 0.02 %rh/K		
Sensor	HYGROMER® IN-1 / Pt-100, 1/3 DIN Class B		
Long term stability	<1 %RH / year		
Calculations	Dew or frost point		
Power supply	3.2...5 VDC, calibrated at 3.3 VDC, current: ~4.5 mA		
Digital interface	UART to other ROTRONIC devices or PC (HW4)		
Range of application	-40...85 °C (-40...185 °F) / 0...100 %RH		
Filter type	No filter available	Sintered steel with 5 µm pore size	
Response time τ63	<15 s	<20 s, with filter	
Measurement interval	1 s		
Start-up time	1.5 s		
IP protection	IP30	IP50	
CE / EMC conformity	2007 / 108 / EG		
FDA / GAMP	FDA CFR 21 part 11 / GAMP5		
Weight	160 g	200 g	300 g
Material	Stainless steel DIN 1.4305 (probe), POM (handle)		