

## Industrial probes, steel

### HC2A-SM

The HC2A-SM is the robust probe from Rotronic for harsh environments and adds to the wide product portfolio. It measures humidity and temperature and calculates the dew/frost point.

#### APPLICATIONS

Food, paper, textile, pharmaceutical and cosmetic industries.

#### FEATURES

- Accuracy:  $\pm 0.8\%$ rh,  $\pm 0.1$  K, at 10...30 °C
- Range of application: -50...100 °C / 0...100 %rh
- Digital interface (UART) and scalable analog outputs, 0...1 V
- Standard analog output scaling: 0...1 V = -40...60 °C / 0...100 %rh
- Adjusted at 23 °C and 10, 35, 80 %rh

Order code	HC2A-SM
Probe type	Chrome steel standard
Dimensions	Ø 15x109 mm
Range of application	-50...100 °C, 0...100 %rh
Accuracy	$\pm 0.8\%$ rh, $\pm 0.1$ K, at 10...30 °C
Power supply	3.3...5 VDC, adjusted at 3.3 VDC
Current consumption	~4.5 mA
Long-term stability	<1 %rh / year
Sensor type	ROTRONIC HYGROMER® HT-1, PT100 1/3 Class B
Filter type	Wire mesh filter
Response time	<15 s, without filter
Max. wind velocity	3 m/s, without filter 25 m/s with wire mesh filter
Housing material	Stainless steel 1.4301
Weight / IP protection	47 g / IP65



HC2A-SM



Available with ATEX certificate

#### Compatible

- Handheld instruments HP32
- Transmitters HF5, PF4, PF5

#### Delivery package

- Factory adjustment certificate
- Short instruction manual
- Wire mesh filter

#### Recommended accessories

- Mounting gland AC1303-M
- Filters
- Extension cable 2 m, metal connector E2-02A-M
- Calibration device ER-15
- Humidity standard for calibration 10 %rh EA10-SCS
- Humidity standard for calibration 35 %rh EA35-SCS
- Humidity standard for calibration 80 %rh EA80-SCS