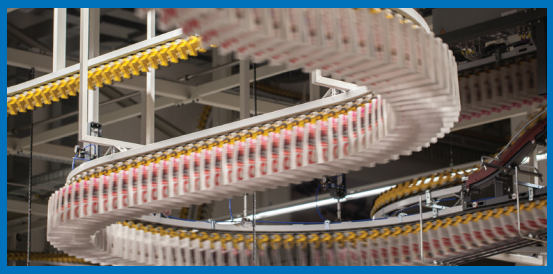
Heavy-duty sensors for humidity and temperature

A Series

For advanced requirements transmitter and probes are exchangeable



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Humidity measuring technology *high quality*

Heavy duty transmitters

for advanced requirements, probes and transmitter are exchangeable

Technical data (excerpt)

Relative humidity measurement	
measuring/sensor element	capacitive, Mela®
measuring range	0...100 %rh
measuring accuracy at 23°C 10...90 %rh	±1,5 %rh
Operating temperature	
accuracy at 23°C	±0,15 K (analogue) ±0,2 K (digital)
output range	-40 ... + 85 °C -50 ... +150 °C -60 ... +160 °C -80 ... +200 °C more upon request
hx converter for more humidity values (Modbus)	
dew point temperature	-20... +70 °C
wet-bulb temperature	-10... +50 °C
absolute humidity	0 ... 20g/m3 0 ... 100g/m3
mixing ratio	0 ... 100g/kg dry air
enthalpy	0 ... 80kJ/kg

Benefits

- Operating temperature up to -80 °C and 200 °C
- Accuracy humidity: ±1,5 %rh
- IP65
- hx converter (except RS232)
- sensor tube made of stainless steel

Features

- Display (except RS232)
- Signal output: Analogue , Modbus, RS232
- on-site-calibration
- pressure-resistant up to 25 bar
- ammonia resistant

Probes are exchangable

Depending on the individual design, these sensors can be used at temperatures between -80 °C and +200 °C and at pressures of up to 25 bar. Implementing the Modbus RTU protocol stack makes these sensors bus-compatible for the digital versions of the A Series. With the RS485 standard all of the hx-values can be red simultaneously.

Types	AK	AW	SVKA.00	SVKA.0E	SVKA.0H	SVKA.HD	More information on the productsheet PDF
IP65 measuring head	IP65		IP65	IP65	IP65	IP65	
operating temperature	85°C		-40...85 °C	-50...150 °C	-80...200 °C	-60...160 °C	
hx converter (except RS232)	hx						
On request: resistant to ammonia			NH_3	NH_3	NH_3		
pressure-resistant						25 bar	

A Series analogue

A Series digital