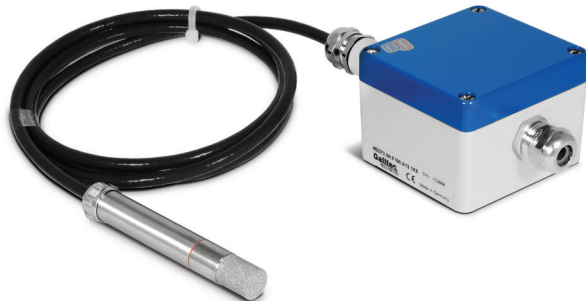


Heavy-duty sensors for humidity and temperature



Heavy duty transmitters

Transmitters for advanced requirements
(ammonia and pressure-resistant)



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 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 200 °C
- accuracy humidity: ±1,5 % rh
- on-site-calibration
- IP65
- hx converter for derived humidity variables

Options

- display (except RS232)
- analogue output
- digital (Modbus or RS232)
- pressure-resistant up to 10 bar
- ammonia resistant

Probes are firmly connected

Galltec+Mela® sensors in the B series combine the digital measured value processing with the advantages of our robust industrial sensors which can be used at temperatures up to -80...200°C resp. at pressures up to 10 bar. They are ideally suited for demanding industrial applications. The sensor part and transmitter are firmly connected.

Types

	BW	BK	BK.TH	BZ	More information on the productsheet PDF
IP65 measuring head					 B Series analogue B Series digital
operating temperature					
hx converter (except RS232)					
optional: ammonia OR pressure-resistant		 	 		

