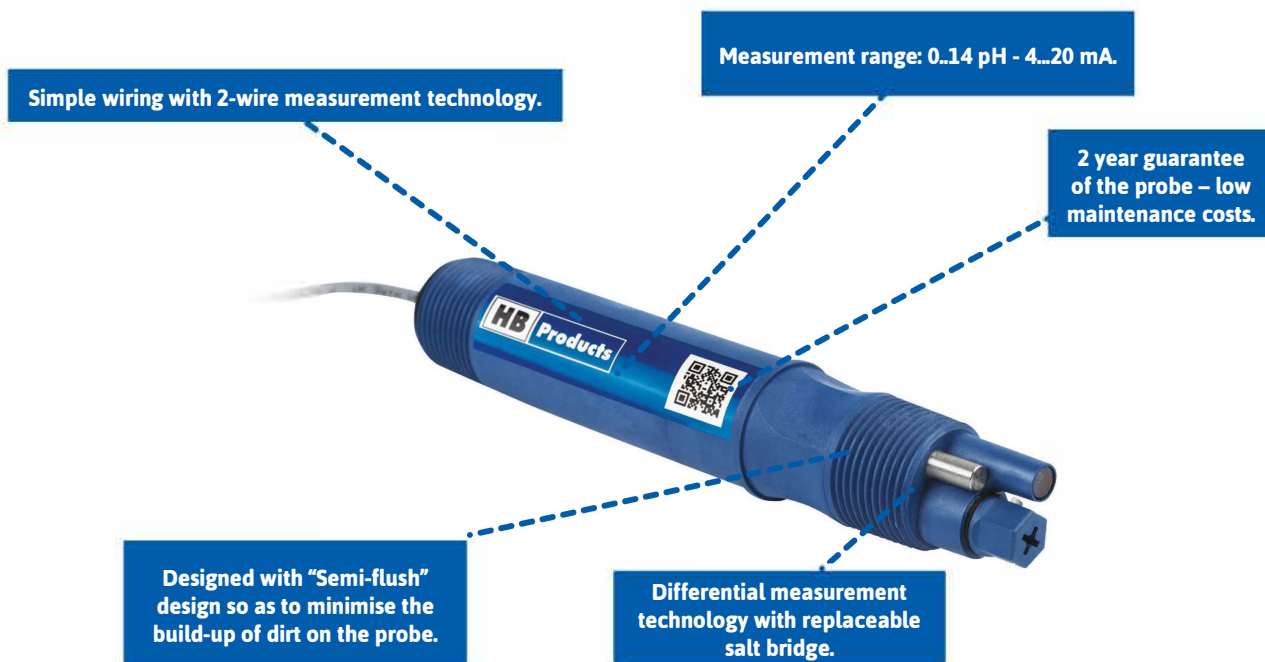


NH₃/Brine Leakage Sensor

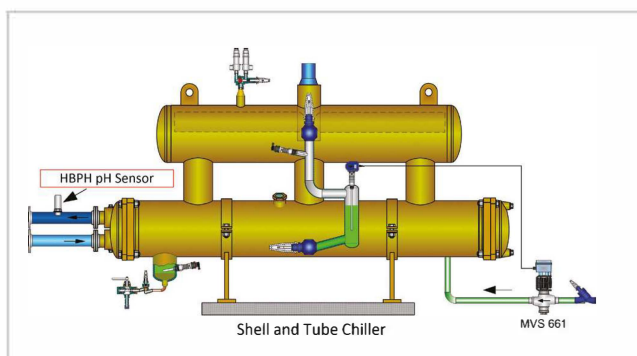
- DIFFERENTIAL 2-WIRE (4-20 mA) pH Sensor

Category: HBPH-MK2



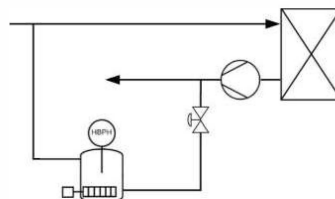
Functional description:

We have now introduced the new **HBPH-MK2** pH sensor measuring the pH value of brine in case of an ammonia leak in a heat exchanger. The sensor is a 2-wire device which incorporates an encapsulated transmitter with a 4-20 mA analog output signal. It is designed to be connected directly to a PLC. The newest version **HBPH-MK2** has an improved and protected universal flat-faced glass process electrode specially designed for tough applications. The new **HBPH-MK2** is both more solid and also lower priced than the previous version.



Cold Liquid applications

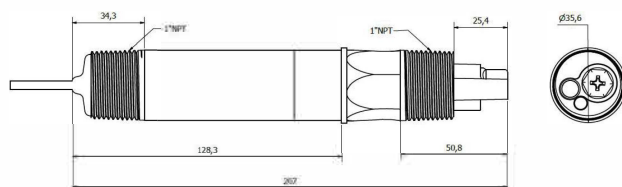
If the brine temperature is below -5 to -10°C, we recommend using an additional system where a small amount brine is bypassed into a pot with a built-in heating element and thermostat controlling the temperature in a range of 0 to +10°C.



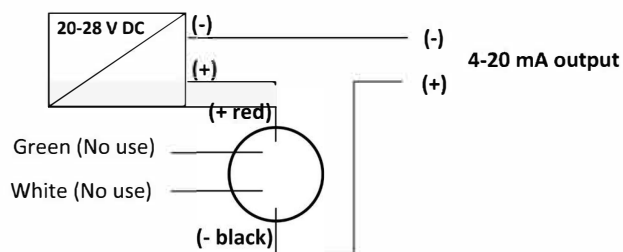
Technical data

Electrical specifications		Mechanical specifications	
Cable	4.6 m	Thread connection	1" NPT
Power supply	20...28 V DC	Material	CPVC, Kynar, Glass & EPDM
Analog output	4...20 mA	Approvals	
Connection	2-wire	EMC test	EN 61000-2
Max load	450 ohm		
Max cable length	Depends on cable size		
Environmental conditions		Accessories	
Ambient temperature	-10...+50°C	3-pack salt bridge replacement kit	HBPH-2W-9-MK2-KIT
Measurement area	0... 14 pH	Controller for pH Sensor	HBPH-C1
Liquid temperature	-10...+95°C	Controller for pH Sensor in enclosure	HBPH-C1-ENC
Max pressure	6.9 / 2.8 bar (+65/+95°C)		
Protection degree	IP65		
Max liquid speed	3 m/s		
Vibrations	IEC 68-2-6 (4g)		

Mechanical dimensions



Electrical installations



Ordering code

Measurement area pH	Thread type	Ordering code
0...14	1" NPT	HBPH-2W-9-MK2

Parts and Accessories

Position	Specification	Ordering code
1	3-pack salt bridge replacement kit	HBPH-2W-9-MK2-KIT
2	Controller for pH Sensor	HBPH-C1
3	Controller for pH Sensor in enclosure	HBPH-C1-ENC