

Memosens Digital pH Sensors

A reliable, high performance pH combination electrode with Memosens digital connectivity ideal for long term monitoring and limit value comparisons in a wide range of applications with relatively stable process conditions.

Benefits

- Reference cell design with large PTFE ring junction resists fouling
- Range of pH glass options includes variants for very low alkali and hydrofluoric acid applications
- Versions available with built in salt store for low conductivity applications/ion trap to resist reference poisoning
- Industry standard 12 mm diameter design can be accommodated in both fixed and retractable housings
- Integrated NTC30K temperature sensor
- Full range of installation fittings and accessories available
- Remote calibration—sensor data saved on board for plug and play connectivity

Applications

Version AA

- Potable Water/Well Water
- Waste Water
- Cooling Water

Version AS (with Internal Salt Store)

- Boiler Feedwater

Version BA (Sterilizable)

- General Processes

Version BT (with Ion Trap)

- Chemical Processes
- Scrubbers
- Pulp and Paper Applications

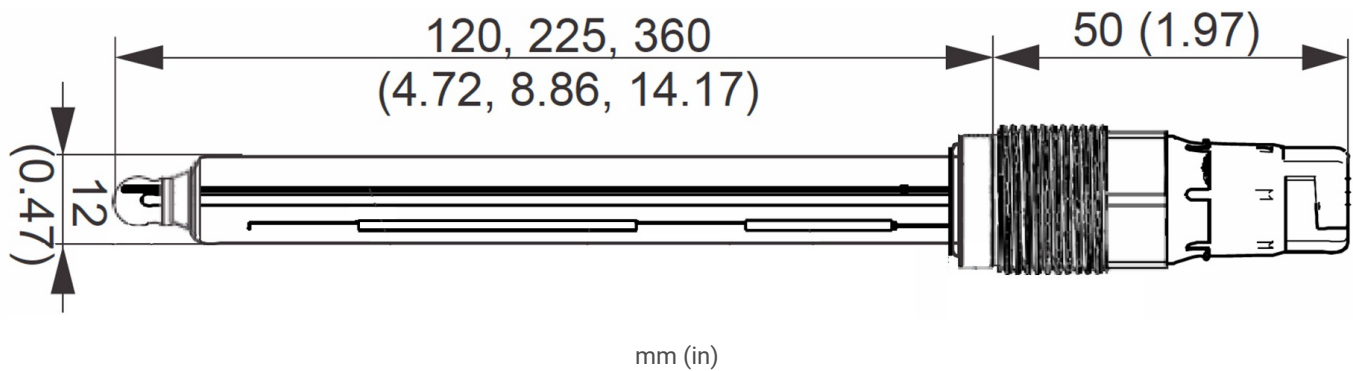
Version FA

- Hydrofluoric Acid Applications (max 1 g/l)



General Specifications

Process Connection		Pg 13.5 Thread
pH Range	Version AA, AS	1 to 12 pH
	Version BA, BT	0 to 14 pH
	Version FA	0 to 10 pH
Temperature Range	Version AA, AS	-15 to 80°C / 5 to 176°F
	Version BA, BT	0 to 135°C / 32 to 275°F
	Version FA	0 to 70°C / 32 to 158°F
Process Pressure Range	Version AA, AS, FA	1 to 7 bara / 14.5 to 101.5 psia
	Version BA, BT	1 to 17 bara / 14.5 to 246.6 psia
Minimum Conductivity	Version AA, BA, BT, FA	50 µS/cm
	Version AS	0.1 µS/cm
Ambient Temperature		Risk of damage. Do not use below -15°C / 5°F
Storage Temperature		0 to 50°C / 32 to 122°F
Ingress Protection		IP68
Probe Lengths Available		120, 225, 360 mm / 4.72, 8.86, 14.17 in
Process Contact Materials	Shaft	Glass
	pH Sensor	Glass (Type A, B or F)
	Reference Diaphragm	Porous Teflon®
Reference System	Version AA, BA, FA	Ag/AgCl with 3M KCl gel electrolyte, AgCl-free
	Version AS	Ag/AgCl with saturated (> 3M) KCl gel electrolyte and salt rings, AgCl-free
	Version BT	Ag/AgCl with ion trap and 3M KCl gel electrolyte



Related Equipment and Accessories

- OCM44 Memosens pH Transmitter
- Memosens Cables
- Static Probe Holders/Adapters
- Manual and Automatic Probe Retractors
- Automated Cleaning Systems
- Inline Flow Cells
- Calibration Buffers

Contact us for details