

# Memosens Digital pH Sensors

A high-performance pH combination electrode with Memosens digital connectivity ideal for long term monitoring and limit value comparisons in aggressive pharmaceutical and chemical industry applications with fast changing process conditions.

## Benefits

- Reference cell design with ceramic junction limits process intrusion
- Fully sterilizable
- Built in ion trap to resist reference poisoning
- Industry standard 12 mm diameter design can be accommodated in both fixed and retractable housings
- TU version can be installed upside down—ideal for limited space or difficult to reach installations
- Integrated NTC30K temperature sensor
- Full range of installation fittings and accessories available
- Remote calibration—sensor data saved on board for plug and play connectivity

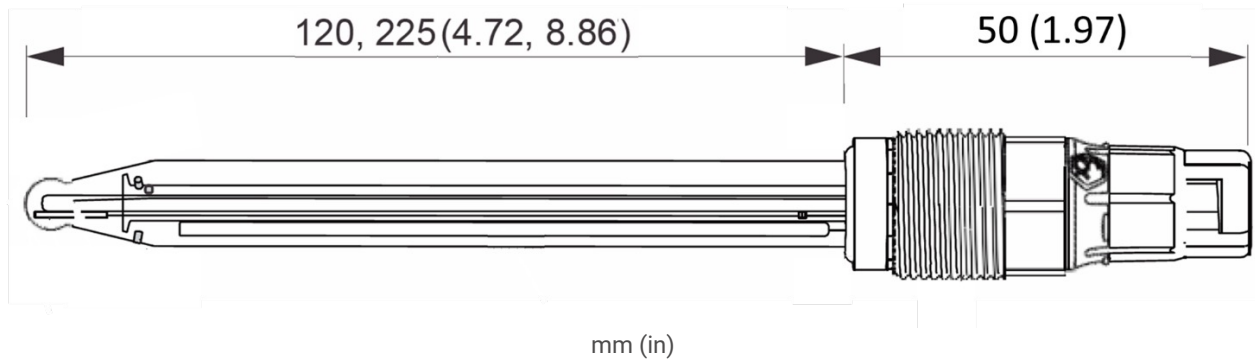
## Applications

- Pharmaceutical Formulation
- Buffer Preparation
- pH Control
- Fermentation
- Cell Culture
- Chemical processes




## General Specifications

Process Connection		Pg 13.5 Thread
pH Range		0 to 14 pH
Temperature Range	Version TB	0 to 140°C / 32 to 284°F
	Version TU	0 to 100°C / 32 to 212°F (continuous) 0 to 140°C / 32 to 284°F (sterilization)
Process Pressure Range	Version TB	1 to 14 bara / 14.5 to 203 psia
	Version TU	1 to 11 bara / 14.5 to 159 psia
Minimum Conductivity		10 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		NEMA 6/IP68
Probe Lengths Available		120, 225mm / 4.72, 8.86in
Process Contact Materials	Shaft	Lead Free Glass
	pH Sensor	Type A pH Glass
	Reference Diaphragm	Ceramic
Reference System	Version TB	Ag/AgCl reference with ion trap, acrylamide-free, non-cytotoxic 3M KCl reference electrolyte
	Version TU	Ag/AgCl reference with ion trap, acrylamide-free, 3M KCl reference 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**