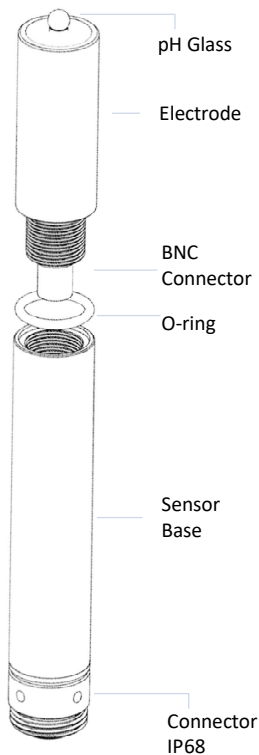


Digital pH Sensor



Digital pH Sensor



BroadSensor online pH/ORP Sensors with Integrated Digital Electronics for Plug and Play Capability with BroadSensor multi-parameter sonde and IP68 connector to any PLC. pH/ORP sensors have a unique design that incorporates a user-replaceable sensor tip (module) and a reusable sensor base that houses the processing electronics. This allows users to reduce the costs and easy to maintain.

Key Advantages:

- Glass electrode pH sensor, a potassium chloride (KCl) solution.
- Isolator and NTC10K inside, easy to use.
- User-replaceable pH/ORP electrode, reusable sensor base.
- RS485 output, Modbus protocol.
- IP68 connector.

Specification



Technical Specifications

Measurement Method	pH Glass/Ag/AgCl Ref, ORP Platinum
Range	pH 0-14, ORP -1200~+1200mV
Resolution	0.01pH, 1mV ORP
Accuracy	+/-0.2pH(2-12pH, 10-30°C) , +/-10mV ORP
Operating temperature	0~45°C
Storage Temperature	-10~50°C
Min. Detection Limit	NA
Warranty	1 year(sensor base), 3 months (pH/ORP electrode)
Depth	IP68, 10m Max
Power	DC 5V 50mA (normal)
Output	RS485 and Modbus protocol
Materials	POM, SS316
Dimensions	Length 170.5mm, diameter 22mm
Flow rate	< 3 m/s
Response time	Minimum 30s T90
Field life*	Sensor base 2 years or greater, electrode 8 months or greater
Recommended Calibration maintain Frequency *	4 weeks

Note: *Field life and calibration frequency dependent on site conditions.

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Order info:

PN: 620412-P Digital pH sensor

PN: 620412-O Digital ORP sensor

PN: 720410-P pH electrode

PN: 720410-O ORP electrode

PN: 810003 PUR cable

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