

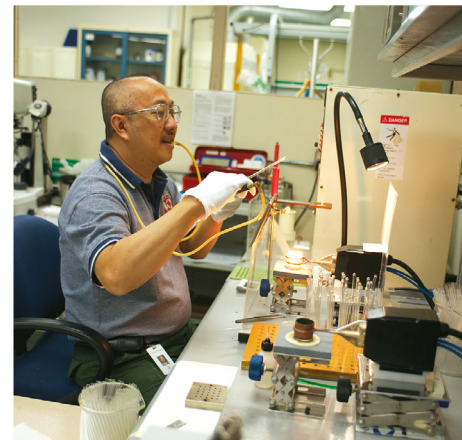
Selection guide

Analytical pH and ORP sensors



Model	PH10 Analog	PH10 Smart	ORP10	PH12	PH12 Smart	871A	871PH	EP462A
Sensor type	pH	pH	ORP	pH, ORP	pH, ORP	pH, ORP	pH, ORP	pH low conductivity
pH range	0 to 14	0 to 14	N/A	0 to 14	0 to 14	2 to 12	0 to 14	0 to 14
Maximum temperature	121 °C/250 °F	121 °C/250 °F	121 °C/250 °F	140 °C/284 °F	140 °C/284 °F	85 °C/180 °F	121 °C/250 °F	100 °C/212 °F
Installation type	Universal slip fit, submersion, inline, flow chamber, ball valve	Universal slip fit, submersion, inline, flow chamber, ball valve	Universal slip fit, submersion, inline, flow chamber, ball valve	PG 13.5 connection to accessories, inline, retractable, ball valve	PG 13.5 connection to accessories, inline, retractable, ball valve	Submersion, inline, flow chamber, ball valve	Submersion, inline, flow chamber, ball valve	Twist-lock, submersion, inline, flow chamber, ball valve
Electrode type	Domed or flat	Domed or flat	Flat	Domed or flat	Domed or flat	Flat	Domed or flat	Domed
Membrane type	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable	Rebuildable	Disposable
Integral electronics	Yes, optional preamp	Yes, digital circuit	Yes, preamp	No	Yes, digital circuit	Yes, preamp	Yes, preamp	No
Features	High performance	High performance, digital communication, stores calibration and other data	High performance	12 mm form factor, available lengths 120 mm to 425 mm	12 mm form factor, available lengths 120 mm to 425 mm	Totally flat sensing surface	Small, inexpensive plug-in electrodes	Stable measurements in high-purity water, less than 20µS/cm
Specifications*	PSS 6-1C3 A	PSS 6-1C3 A	PSS 6-1C3 A	PSS 6-1C5 A	PSS 6-1C5 A	PSS 6-1C2 B	PSS 6-1C2 A	PSS 6-1C6 A
Data sheet*	FD-DS-A-009	FD-DS-A-001	FD-DS-A-009	FD-DS-A-007	FD-DS-A-007		FD-DS-A-008	

* Please use this term in our search window on www.schneider-electric.com to access more product details.



Proprietary pH glass formulations used in all of our pH sensors provide superior performance in challenging applications.