

easySense™ pH/ORP & Oxygen Sensors

Top Performance Meets Convenience

When your basic applications require a reliable and long-lasting measurement point, easySense™ sensors are the answer. Using proven technology, they withstand harsh process conditions and are easy to use.

pH measurement often requires skilled personnel in order to maintain and calibrate the sensors. easySense™ sensors are pre-calibrated, with no specialist know-how required for sensor replacement at the measurement point.

Designed using METTLER TOLEDO's long-standing expertise in process analytics, the easySense pH sensors are problem-solvers for basic applications. The easySense O₂ 21 sensor for dissolved oxygen (DO) uses rugged membranes that can easily be replaced in minutes.

Your benefits

Long sensor lifetime

Leads to lower replacement costs – even under harsh process conditions.

Reliable design

METTLER TOLEDO technology for use in basic applications.

No need for pH buffers at startup

Pre-calibrated sensors do not require a first on-site calibration.

easySense pH 31



easySense pH 32, 33, 34



easySense ORP 41



easySense O₂ 21



Selected specifications of easySense™ pH/ORP and oxygen sensors

	31	32	33	34	41	21
Parameter	pH	pH	pH	pH	ORP	Oxygen
Measurement range	0...14	0...14	0...14	0...14	± 1500 mV	0.03 ppm – 100% saturation
Temperature	-5...80°C 23...176°F	-5...80°C 23...176°F	-5...80°C 23...176°F	-5...80°C 23...176°F	-5...80°C 23...176°F	0...60°C 32...140°F
Pressure resistance	0...2 barg 0...29 psig	0...2 barg 0...29 psig	0...2 barg 0...29 psig	0...2 barg 0...29 psig	0...2 barg 0...29 psig	0.5...2 barg 7...29 psig
Pressure resistance 0...40°C/32...104°F	0...6 bar 0...87 psig	–	–	–	0...6 bar 0...87 psig	–
Reference system	Argenthal (Ag/AgCl)	Argenthal (Ag/AgCl)	Argenthal (Ag/AgCl)	Argenthal (Ag/AgCl)	Argenthal (Ag/AgCl)	–
Reference electrolyte	gel	pressurized gel	pressurized gel	pressurized gel	polymer	–
Diaphragm	1 ceramic	1 ceramic	1 ceramic	1 ceramic	open junction	–
Membrane glass	HA	HA	HF	LoT	– (Platinum ring)	–
Application	general purpose	harsh processes	HF resistant	low temperature	general purpose	general purp.
Plug head	K8S, Pg 13.5	K8S, Pg 13.5	K8S, Pg 13.5	K8S, Pg 13.5	K8S, Pg 13.5	K8S, Pg 13.5
Order number	52 003 771	52 003 768	52 003 770	52 003 769	52 003 772	52 206 406