

ORP probes

ORP

ADVANCED PROBES FOR ORP MEASUREMENT

In aqueous solutions, ORP is a good measure of the effectiveness of disinfectants present in the water. In a swimming pool, the higher the oxidation potential, the more efficient the disinfectant. In water monitoring, the ORP value therefore provides the operator with a quick indication of the effectiveness of the disinfectant present in the water. This allows the operator to evaluate if the current situation is adequate or if it is instead necessary to dose additional disinfectant.

An ORP probe consists of a measuring electrode in contact with the solution and a reference electrode with stable potential.



Technical features

Features	SRH1-WP-SJ	SRH1-WP-DJ	SRH1-WP-AU	SRH2-WP-AU	SRH3-WW-DJ	SRH4-HT-DJ
Measurement range	±1,000 mV	±1,000 mV	± 2,000 mV	± 2,000 mV	±1,000 mV	± 2,000 mV
Operating temperature	0 – 60°C	0 – 60°C	0 – 60°C	0 – 60°C	0 – 80°C	0 – 130°C
Maximum pressure	6	6	6	6	6	6 bar @ 130°C; 16 bar @ 25°C
Electrode material	Platinum	Platinum	Gold	Gold	Platinum	Platinum
Body material	Polycarbonate	Polycarbonate	Polycarbonate	Epoxy	Glass	Reinforced glass
Diaphragm type	Pellon PTFE	Pellon PTFE	Pellon PTFE	Pellon PTFE	1 open hole	3 open hole
Junction type	Single	Double	Single	Single	Double	Double
Electrolyte	KCL Gel	KCL Gel	KCL Gel	KCL Gel	KCL Gel	KCL Gel
Mechanical connection	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm	Thread PG 13.5mm	Thread PG 13.5 mm
Electrical connection	BNC (yellow)	BNC (yellow)	BNC (yellow)	BNC (yellow)	S8	S8
Cable	1.5 m or 6 m	6 m	6 m	6 m	Not included	Not included

SRH1-WP-SJ

Single-junction polycarbonate-body ORP probe with platinum electrode. Suitable for general laboratory, swimming pool and water-monitoring applications.



Technical features

Measurement range ±1,000 mV ; Operating temp 0 – 60°C

Maximum pressure 6 bar

Electrode material Platinum ; Body material PP

Diaphragm type Pellon PTFE ; Junction type Single

Electrolyte KCL Gel ; Mechanical connection Ø 12 mm

Electrical connection BNC (yellow) ; Cable 1.5 or 6 m

SRH1-WP-DJ

ORP probe with polycarbonate body, double junction and platinum electrode. Suitable for general laboratory, swimming pool and water-monitoring applications.



Technical features

Measurement range ±1,000 mV ; Operating temp 0 – 60°C

Maximum pressure 6 bar

Electrode material Platinum ; Body material PP

Diaphragm type Pellon PTFE ; Junction type Double

Electrolyte KCL Gel ; Mechanical connection Ø 12 mm

Electrical connection BNC (yellow) ; Cable 6 m

SRH1-WP-AU

ORP probe with single-junction polycarbonate body and gold electrode. Suitable for general laboratory, swimming pool and water-monitoring applications.



Technical features

Measurement range $\pm 2,000$ mV ; Operating temp 0 – 60°C

Maximum pressure 6 bar

Electrode material Gold ; Body material PP

Diaphragm type Pellon PTFE ; Junction type Single

Electrolyte KCL Gel ; Mechanical connection \varnothing 12 mm

Electrical connection BNC (yellow) ; Cable 6 m

SRH2-WP-AU

Single-junction epoxy-body ORP probe with gold electrode. Suitable for general laboratory, swimming pool and water-monitoring applications.



Technical features

Measurement range $\pm 2,000$ mV ; Operating temp 0 – 60°C

Maximum pressure 6 bar

Electrode material Gold ; Body material Epoxy

Diaphragm type Pellon PTFE ; Junction type Single

Electrolyte KCL Gel ; Mechanical connection \varnothing 12 mm

Electrical connection BNC (yellow) ; Cable 6 m

SRH3-WW-DJ

Double-junction glass-body ORP probe with platinum electrode. Suitable for wastewater, anti-legionella disinfection, drinking water and galvanic processes.



Technical features

Measurement range $\pm 1,000$ mV ; Operating temp 0 – 80°C

Maximum pressure 6 bar

Electrode material Platinum ; Body material Glass

Diaphragm type 1 open hole diaphragm ;
Junction type Double

Electrolyte KCL Gel

Mechanical connection Thread PG 13.5 mm

Electrical connection S8 ; Cable not included

SRH4-HT-DJ

ORP probe with reinforced-glass body, double junction and platinum electrode. Suitable for ammonia, chrome plating, reverse osmosis, galvanic processes and bisulfite applications.



Technical features

Measurement range $\pm 2,000$ mV ; Operating temp 0 – 130°C

Maximum pressure 6 bar @ 130°C ; 16 bar @ 25°C

Electrode material Platinum ; Body material Reinforced glass

Diaphragm type triple diaphragm with open hole ;
Junction type Double

Electrolyte KCL Gel

Mechanical connection Thread PG 13.5 mm

Electrical connection S8 ; Cable not included