

ELECTRODES FOR PH AND REDOX

The measure of the pH and of the Redox is due to the transformation of a chemical phenomenon in electric potential that is read by a proper sensor called electrode. The electrodes are active elements that have limited life; they have to be periodically calibrated with buffer solutions.

The electrodes in the illustration that follows, are of the combined type (measure+reference) without maintenance and differentiate owing to their chemical and physical characteristics that make them

suitable for general applications.

Seko selected, among the most skilled manufacturers, a range of electrodes that have been tested for a long time in several and different applications.

The elements that have to be considered in the choice of the electrodes are: range of measure, temperature, pressure, chemical substances present in the process, type of assembly of the electrode in the system.

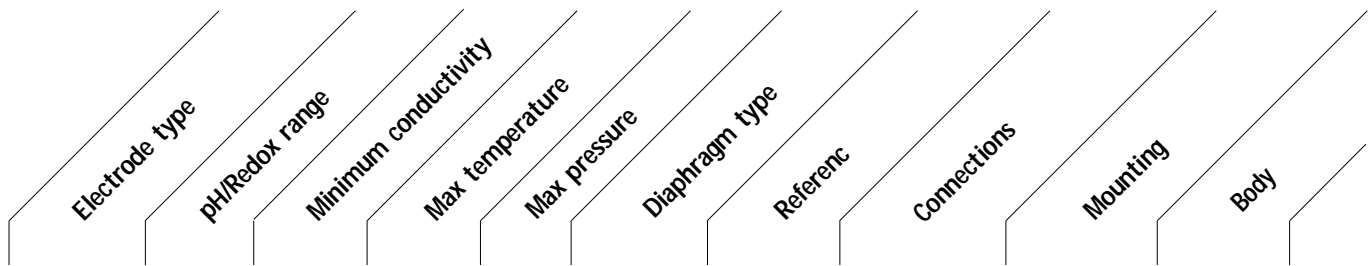


Series 1 Standard with cable+BNC

Series 2 Standard S7

Series 3-4 PG 13,5 S7

Electrodes for pH and Redox



GENERAL USE

SPH-1-S-1,5m	0... 14 pH	50 µS	60 °C	7 bar	1 Standard	GEL	Cable 1,5m+BNC	Standard Ø 12	Epoxy 12x120
SPH-1-S-6m	0... 14 pH	50 µS	60 °C	7 bar	1 Standard	GEL	Cable 6m+BNC	Standard Ø 12	Epoxy 12x120
SPH-2-S	0... 14 pH	50 µS	60 °C	7 bar	1 Standard	GEL	S7	Standard Ø 12	Epoxy 12x120

WASTE WATER - EXTREME ENVIRONMENTS

SPH-3-WW	2... 14 pH	5 µS	80 °C	6 bar	Single Pore	GEL	S7	PG 13,5	Glass 12x120
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LIME - SULPHATE - PROTEIN - AMMONIA

SPH-4-HP	2... 14 pH	5 µS	90 °C	6 bar	Double Pore	GEL Polilyte	S7	PG 13,5	Glass 12x120
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HIGH TEMPERATURE AND PRESSURE, GALVANIC, BISULPHATE

SPH-4-HT	0... 14 pH	50 µS	130 °C	16 bar ^(*)	3 Ceramic	GEL	S7	PG 13,5	Glass 12x120
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LOW CONDUCTIVITY

SPH-4-LC	0... 14 pH	0,2 µS	-10...+40 °C	0,5 bar	1 Ring	KCL 3M EVEREF-LC	S7	PG 13,5+Refille KCL	Glass 12x120+65
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LOW TEMPERATURE

SPH-4-LT	1... 12 pH	2 µS	-5...+ 60 °C	2 bar	3 Ceramic	EVEREF-LC	S7	PG 13,5	Glass 12x120
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HIGH ACIDITY SOLUTIONS

SPH-4-AC	0... 9 pH	5 µS	0...+ 90 °C	6 bar	2 Ceramic	EVEREF-L	S7	PG 13,5	Glass 12x120
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REDOX ELECTRODES FOR OXIDING MEDIA, CHROMATE, CHLORATE, BROMIDE

SRH-1-PT-1,5m	±2000 mV	-	60 °C	7 bar	1 Standard	GEL	Cable 1,5m+BNC	Standard Ø 12	Epoxy 12x120
SRH-1-PT-6m	±2000 mV	-	60 °C	7 bar	1 Standard	GEL	Cable 6m+BNC	Standard Ø 12	Epoxy 12x120
SRH-3-PT	±1000 mV	-	80 °C	6 bar	Single Pore	GEL	S7	PG 13,5	Glass 12x120
SRH-4HT-PT	±1000 mV	-	130 °C	16 bar ^(*)	3 Ceramic	GEL EVEREF	S7	PG 13,5	Glass 12x120

REDOX ELECTRODES FOR REDUCING MEDIA, CYANIDE

SRH-4-AU	±1000 mV	-	130 °C	16 bar ^(*)	3 Ceramic	GEL	S7	PG 13,5	Glass 12x120
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^(*) Maximum pressure is 16 bar at 25 °C and drops linearly with temperature increases at 100 °C the maximum pressure is 6 bar.