

Electrochemical sensors

Epoxy pH electrodes



SZ 142

pH electrode Glass/Ref. combination, epoxy body, Gel sealed, cable 1.5 m with BNC.

Applications: clean water, portable instruments, swimming-pools.

SZ 145

pH electrode Glass/Ref. combination, epoxy body, Gel sealed, cable 9 m.

Applications: clean water at room temperature, industrial instruments. In-line up to 7 bar.

SZ 1021

pH electrode, Glass/Ref. combination, sealed Gel, epoxy body. Low cost (10 pcs minimum order), cable 1 m with BNC.

Applications: portable instruments.

SZ 1025

pH electrode, Glass/Ref. combination, sealed Gel, epoxy body. Low cost (10 pcs minimum order), cable 9 m.

Applications: clean water at room temperature, industrial instruments. In-line up to 7 bar.



SZ 151

pH electrode glass/Ref. double junction combination, epoxy body for high temperature applications, cable 1.5 m with BNC.

Applications: very contaminated liquids or high temperature.



SZ 1075

Antimony pH electrode, combination, epoxy body, cable 9 m.

Applications: liquids with HF contents. It requires a special input pHmeter.



SZ 1131

Puncture tip pH electrode, epoxy body, PTFE junction. 1 m cable with BNC.

Applications: green houses, agriculture.



SZ 1093

Hydroponic pH electrode, epoxy body L=75 mm, cable 3 m with BNC.

Applications: green houses, agriculture. In-line up to 7 bar.

Glass pH electrodes



SZ 160

pH Electrode Glass/Ref combination, glass body, anular junction, S7 connector.

Applications: contaminated liquids, portable instruments, laboratory.



SZ 161

pH Electrode Glass/Ref combination, glass body, anular junction, cable 1.5 m with BNC.

Applications: contaminated liquids, portable instruments, laboratory. In line up to 10 bar.

SZ 165

pH Electrode Glass/Ref combination, glass body, anular junction, cable 9 m.

Applications: general purpose, industrial meters, in line up to 10 bar.



SZ 171

Same as SZ 173. Cable 1.5 m with BNC.

Applications: contaminated liquids, amplified probes, portable instruments.

SZ 173

pH Electrode Glass/Ref combination, glass body, double anular junction, cable 9 m.

Applications: contaminated liquids, amplified probes, industrial and heavy applications. In line up to 10 bar.



SZ 195.2

pH Electrode Glass GX-V/Ref combination, glass body, low alkaline error, double anular junction, high temperature gel, cable 9 m.

Applications: contaminated and high temperature liquids, industrial and heavy applications. In line up to 10 bar.



SZ 1031

pH electrode, Glass/Ref. combination refillable, glass body, cable 1.5 m with BNC.

Applications: very contaminated liquids, portable instruments, laboratory.

Technical Specifications

Type	Membrane	R. Mohm at 25 °C	Range pH	Temperature °C	Length mm	Diameter mm	Reference
SZ 142	GX 2	50	0 / 13	0 / 60	110	12	Ag/AgCl
SZ 145	GX 2	50	0 / 13	0 / 60	110	12	Ag/AgCl
SZ 1021	GX 2	50	0 / 13	0 / 60	110	12	Ag/AgCl
SZ 1025	GX 2	50	0 / 13	0 / 60	110	12	Ag/AgCl
SZ 151	GX 2	100	0 / 13	-5 / 130	110	12	Ag/AgCl e KNO3
SZ 160	GX 2	50	0 / 13	0 / 100	110	12	Ag/AgCl
SZ 161	GX 2	50	0 / 13	0 / 100	110	12	Ag/AgCl
SZ 165	GX 2	50	0 / 13	0 / 100	110	12	Ag/AgCl
SZ 171	GX 2	50	0 / 13	0 / 100	110	12	Ag/AgCl e KNO3
SZ 173	GX 2	50	0 / 13	0 / 100	110	12	Ag/AgCl e KNO3
SZ 195.2	GX-V	200	0 / 14	-5 / 130	110	12	Ag/AgCl e KNO3
SZ 1031	GX2	50	0 / 13	0 / 80	110	12	Ag/AgCl
SZ 1075	Antimony	-	2 / 11	-5 / 100	110	12	Ag/AgCl
SZ 1093	GX2	50	0 / 13	0 / 80	75	12	Ag/AgCl
SZ 1131	GX1	300	0 / 12	-5 / 100	110	9.5	Ag/AgCl

pH autoclean flat electrodes

This is a new and more rugged flat electrodes generation. They may be used in immersion or in-line for an autoclean effect by the liquid flow.

The reference electrode is a double junction in order to ensure a long life even in liquid containing Ammonia, Chlorine, Cyanide, Sulfide and other contaminating ions.

The body is in PVDF, corrosion resistant and food compatible. The special shape protects mechanically the sensing parts.

SZ 1140

pH electrode, PTFE double junction, polymeric gel.

Range: 0/12 pH

Temperature: 0/100 °C

Pressure: 10 bar

Body: in PVDF, DL connector, 3/4" NPT thread

Length: 140 mm (45 mm in immersion)

Cable: SZ 947, L=8 m (not included)



SZ 1150

pH electrode, PTFE double junction, polymeric gel, built-in Pt100.

Range: 0/12 pH

Temperature: 0/100 °C

Pressure: 10 bar

Body: in PVDF, Military 4-pin connector, 3/4" NPT thread

Length: 140 mm (45 mm in immersion)

Cable SZ 9441: 10 m + connector (to be order separately)



SZ 2060

ORP electrode, PTFE double junction, polymeric gel.

Electrode: Platinum disk

Temperature: 0/100 °C

Pressure: 10 bar

Body: in PVDF, DL connector, 3/4" NPT thread

Length: 140 mm (45 mm in immersion)

Cable: SZ 947, L=8 m (not included)



Electrochemical sensors

Epoxy O.R.P. electrodes



SZ 240

Gold/Reference combination electrode. Sealed Gel, epoxy body, S7 connector.

Applications: clean water, portable instruments, laboratory.

SZ 250

Platinum/Reference combination electrode. Sealed Gel, epoxy body, S7 connector.

Applications: clean water, portable instruments, laboratory.



SZ 245

Gold/Reference combination electrode. Sealed Gel, epoxy body, cable 9 m.

Applications: clean water, swimming pools, industrial instruments. In-line up to 7 bar.



SZ 2011

Platinum wire/Reference combination electrode. Sealed Gel, epoxy body, cable 1.5 m with BNC connector.

O.E.M. low cost version. (10 pcs. minimum order).

Applications: Swimming pools, portable and industrial instruments. In-line up to 7 bar.



SZ 2055

Platinum/Reference combination electrode. Sealed Gel, epoxy body, double junction, cable 9 m.

Applications: liquid with HF contents, high temperature, industrial instruments. In-line up to 10 bar.



SZ 251

Platinum/Reference combination electrode. Sealed Gel, epoxy body, cable 1.5 m with BNC connector.

Applications: clean water, swimming pools, portable instruments, laboratory. In-line up to 7 bar.

SZ 255

Platinum/Reference combination electrode. Sealed Gel, epoxy body, cable 9 m.

Applications: clean water, swimming pools, industrial instruments. In-line up to 7 bar.

SZ 2035

ORP electrode Band-Platinum/Ref. combination, epoxy body, Gel sealed, cable 9 m. Low cost (10 pcs minimum order).

Applications: clean water, industrial instruments. In-line up to 7 bar.

Glass O.R.P. electrodes



SZ 265

Gold/Reference combination electrode. Sealed Gel, glass body, cable 9 m.

Applications: cyanide treatment, industrial instruments. In-line up to 10 bar.



SZ 275

Platinum/Reference combination electrode. Sealed Gel, glass body, cable 9 m.

Applications: general purpose, chromate treatment, swimming pools, industrial instruments. In-line up to 10 bar.

Technical Specifications

Type	Metal	Temperature °C	Length mm	Diameter	Reference
SZ 240	Gold	0 / 60	110	12	Ag/AgCl
SZ 245	Gold	0 / 60	110	12	Ag/AgCl
SZ 250	Platinum	0 / 60	110	12	Ag/AgCl
SZ 251	Platinum	0 / 60	110	12	Ag/AgCl
SZ 255	Platinum	0 / 60	110	12	Ag/AgCl
SZ 2035	Platinum	0 / 60	110	12	Ag/AgCl
SZ 265	Gold	-5 / 110	110	12	Ag/AgCl
SZ 275	Platinum	-5 / 110	110	12	Ag/AgCl
SZ 2011	Platinum	0 / 60	110	12	Ag/AgCl
SZ 2055	Platinum	-5 / 130	110	12	Ag/AgCl + KNO3

Cables and connectors

SZ 9211

Coax cable 2.5 mm L = 8 m

SZ 9215

Coax cable 2.5 mm L = 100 m

SZ 926

Shielded cable 7x0.25 mm Diameter 6.4 mm

SZ 933

BNC connector

SZ 935

S7 connector

SZ 945

S7 connector + 8 m coax cable

SZ 947

DL connector + 8 m coax cable

SZ 9471

DL connector + 2 m coax cable with BNC

Standard solutions



SZ 952

Buffer solution 4.01 pH 250 cc.

SZ 954

Buffer solution 7.00 pH 250 cc.

SZ 956

Buffer solution 9.21 pH 250 cc.

SZ 961

ORP standard solution 220 mV 250 cc.