

DPST Electrochemical Electrodes

DPST Redox Electrodes

DPST redox electrodes can be combined with all types of commonly used pH meters, mV meters and other similar electrochemical instruments. The metal sensors of the DPST redox electrodes are made of pure platinum or pure gold. It has an active area of $0,2 \text{ cm}^2$. The reference unit is an argent chloride reference electrode filled with KCl ($c = 3,0 \text{ mol/l}$) electrolyte solution. Plastic bodied electrodes are maintenanceless without filling hole. They are lifetime-filled with a gel electrolyte. Maintenanceless glass bodied DPST redox electrodes are also available.

A variety of special shapes offer a comprehensive choice of applications:

DPST redox electrodes equipped with a 14 mm glass cone may be used as two electrode systems in polarography.

The electrodes for piercing or for measurements in paste-like materials are spear tip shaped.

Semimicro electrodes have reduced dimensions. They are especially suitable for small amounts of sample as in Eppendorf sample vessels.

Flat surface disc platinum or gold sensors (diameter 0,5 mm) with enhanced mechanical resistance are designed for mechanical cleaning during long time measurements.

Other constructions are available upon request.

Temperature range:

-5 °C to 90 °C

Dimensions:

Glass or plastic body: 12 mm Ø

total length 145 mm

Laboratory electrodes: cap Ø 16 mm

Process electrodes: cap with 18 mm Ø armature fixing ring

Semimicro electrodes: length 70mm, Ø 6,5 mm



DPST redox electrode type PtEJ 212

the company of innovations

DPST BEHNERT GMBH
DIREKT POTENTIOMETRISCHE SENSOR TECHNIK

Type numbers:

First digit 1	process use
First digit 2	laboratory use
First digit 3	sterilisable ((300 kPa/135 °C)
First digit 4	14 mm glass cone
First digit 5	PG 13,5 thread adapter
First digit 6	plastic body
Second digit 1	standard
Second digit 2	spear tip for piercing
Second digit 3	enhanced pressure (up to 800 kPa)
Second digit 4	semimicro electrode
Second digit 5	disc, enhanced mechanical resistance
Second digit 6	maintenanceless reference unit
Third digit +	connector

DPST Redox Electrode		Type
Glass body		
	Standard, laboratory use	PtEJ 21+, AuEJ 21+
	Standard, process use	PtEJ 11+, AuEJ 11+
	14 mm glass cone	PtEJ 41+, AuEJ 41+
	PG 13,5 thread	PtEJ 51+, AuEJ 51+
	Enhanced pressure, process use	PtEJ 13+, AuEJ 13+
	Sterilisable	PtEJ 32+, AuEJ 32+
	Spear tip for piercing, laboratory	PtEJ 22+, AuEJ 22+
	Semimicro, laboratory	PtEJ 24+, AuEJ 24+
	Disc, laboratory use	PtEJ 25+, AuEJ 25+
	Disc, process use	PtEJ 15+, AuEJ 15+
	Maintenanceless, laboratory use	PtEJ 26+, AuEJ 26+
	Maintenanceless, process use	PtEJ 16+, AuEJ 16+
Plastic body		
	Maintenanceless, laboratory use	PtEJ 66+, AuEJ 66+
	Maintenanceless, process use	PtEJ 76+, AuEJ 76+

the company of innovations

DPST BEHNERT GMBH
DIREKT POTENTIOMETRISCHE SENSOR TECHNIK