

DPST Electrochemical Electrodes

DPST Polarographic Electrodes

Solid state disc surface DPST **working electrodes** are designed for general application in all commonly used polarographic apparatus and especially adjusted for the optimal application in PolaroSensors, Ekom (active length 80 mm) PA, GAT, PAR, Metrohm (active length 50 mm) and other instrumentation with suitable measuring cells. The compact electrode body is made of PTFE and it is equipped with a 14 mm cone for fitting the electrode into the adapter of the measuring cell. The standard electrical connection is a 0,6 m cable with banana or micro banana plugs. The disk shaped sensors are carefully made of high quality materials as special carbon or pure gold, platinum or silver.

Carbon and gold working electrodes can be used pure or as a flat surface mercury film carrier. The mercury is deposited on an electrochemical "non destructing" way from a diluted mercury salt solution. So the electrodes have a very small or even no mercury consumption. The temperature range covers 0 °C to 40 °C.

For our working electrodes we offer a polishing set containing a polishing pad, special polyurethane fixed fibres, polishing powder (Al₂O₃, 0,5 µm particle size) and polishing suspension (Al₂O₃, 1,1 µm particle size).

DPST Polarographic Electrode	Active length	Type
Working carbon electrode 3 mm disk sensor	50 mm*	SESV 12
	80 mm**	SESV 11
Working gold electrode 0,5 mm disk sensor	50 mm*	SESV 21
	80 mm**	SESV 20
Working platinum electrode 0,5 mm disk sensor	50 mm*	SESV 28
	80 mm**	SESV 27
Working silver electrode 2 mm disk sensor	50 mm*	SESV 30
	80 mm**	SESV 29

DPST **reference electrodes** represent commonly used reference electrodes in polarography. They are designed according to the working electrodes.

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DPST Polarographic Electrode	Active length	Type
Argentchloride reference electrode	50 mm*	SESV 18
	80 mm**	SESV 17
Calomel reference electrode	50 mm*	SESV 24
	80 mm**	SESV 23
Mercurousulphate reference electrode	50 mm*	SESV 26
	80 mm**	SESV 25

DPST **auxiliary electrodes** (counter electrodes) are needed for all polarographic applications with three electrodes. As well as the described working and reference electrodes they are designed as compact PTFE embodied sensors with a pure platinum wire as noble metal auxiliary or counter electrode.

DPST Polarographic Electrode	Active length	Type
Platinum auxiliary electrode	50 mm*	SESV 16
	80 mm**	SESV 15

DPST **combined electrodes** are designed as combination of two (working and reference electrode) or three electrodes (working, reference and auxiliary electrode) in one compact PTFE body, equipped with 14 mm cone for fitting it safely in the measuring cell. The main advantages of combined electrodes are their compact small size and the stable sensors position during calibration and measurement, what leads to a high reproducibility and the comfortable handling with only one electrode. Standard electrical connection is a 0,6 m cable with banana or micro banana (red: WE, blue: RE and green AE). The temperature range reaches from 0 °C to 40 °C.

DPST Polarographic Electrode	Active length	Type
Combined argent chloride RE & platinum AE	50 mm*	SESV 14
	80 mm**	SESV 13
Combined argent chloride RE & platinum AE & carbon WE	50 mm*	SESV 03
	80 mm**	SESV 02

Other combinations of electrodes are available upon request.

*Active length 80 mm: Polaro Sensors, GAT or Ekom stands

**Active length 50 mm: Metrohm or PAR stands

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