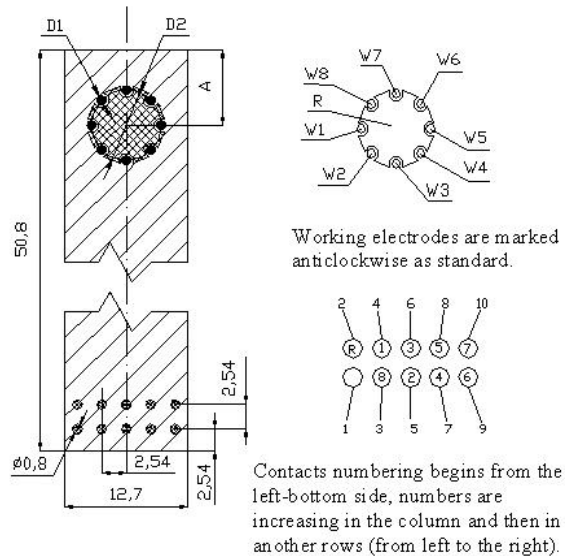


ELECTROCHEMICAL SENSORS

Type: AC9.W*.R*

Description:

The sensor is formed on a corundum ceramic base. On to this surface eight working electrodes, and the reference electrode are applied. The electrodes can be made of variety of materials (see below). At the end of the sensor there is a contacting field. It is connected with the active part by the silver conducting paths which are covered by a dielectric protection layer. A bio-chemically active substance can be put on the working electrodes of the sensor.



Physical parameters:

Weight: 1.5 gms
 Length: 50.80 mm
 Width: 12.70 mm
 Thickness: 0.63 mm

Electrode Materials

are defined by: AC9.W*.R* (*)

The asterisk is replaced by the appropriate number or letter

A	7.80 ± 0.05 mm
D ₁	1.00 ± 0.05 mm
D ₂	1.00 ± 0.05 mm

A - Amperometric sensor or electrode	4 - Graphite
C - Corundum ceramic base	R - Reference electrode material
9 - Sensor group reference number	S - Silver
W - Working electrode material	1 - Silver / Silver Chloride
S - Alloy of Gold and Platinum	2 - Silver covered by AgCl
1 - Pure Gold	(*) - Additional technical specification
2 - Pure Platinum	V - Vessel
3 - Pure Silver	

Sensor Usage:

This specific range of AC9 sensors enables the measurement of:

- Complex electrochemical with array of electrodes

Experimental Accessories:

- FC9 flow cell

Connector Types for AC9 Sensor Range

- KA9

Ordering information:

- The order is specified by whole sensor description formula
- Minimum order quantity - 5 sensors
- All order quantities are to be in multiples of 5 e.g. 5, 10, 15, etc.
- Delivery time for standard AC9 sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC9 depends on final technical specification

Example of Order:

- 100 pieces - AC9.W2.R1

The explicit list of materials used for electrode preparation

Type of Sensor	Electrode Material		Conducting Paths
	Working W ₁ – W ₈	Reference	
AC9.WS.RS	PtAu (15 / 85%)	AgPd (98 / 2%)	Ag
AC9.WS.R1	PtAu (15 / 85%)	Ag / AgCl (60 / 40%)	Ag
AC9.WS.R2	PtAu (15 / 85%)	Chlorinated Silver	Ag
AC9.W1.RS	AuPd (98 / 2%)	AgPd (98 / 2%)	Ag
AC9.W1.R1	AuPd (98 / 2%)	Ag / AgCl (60 / 40%)	Ag
AC9.W1.R2	AuPd (98 / 2%)	Chlorinated Silver	Ag
AC9.W2.RS	Pt (100%)	AgPd (98 / 2%)	Ag
AC9.W2.R1	Pt (100%)	Ag / AgCl (60 / 40%)	Ag
AC9.W2.R2	Pt (100%)	Chlorinated Silver	Ag
AC9.W3.RS	AgPd (98 / 2%)	AgPd (98 / 2%)	Ag
AC9.W3.R1	AgPd (98 / 2%)	Ag / AgCl (60 / 40%)	Ag
AC9.W3.R2	AgPd (98 / 2%)	Chlorinated Silver	Ag
AC9.W4.RS	C (7101)	AgPd (98 / 2%)	Ag
AC9.W4.R1	C (7101)	Ag / AgCl (60 / 40%)	Ag
AC9.W4.R2	C (7101)	Chlorinated Silver	Ag