

## ELECTROCHEMICAL SENSOR

**Type: AC9.W\*.R\***

### Description

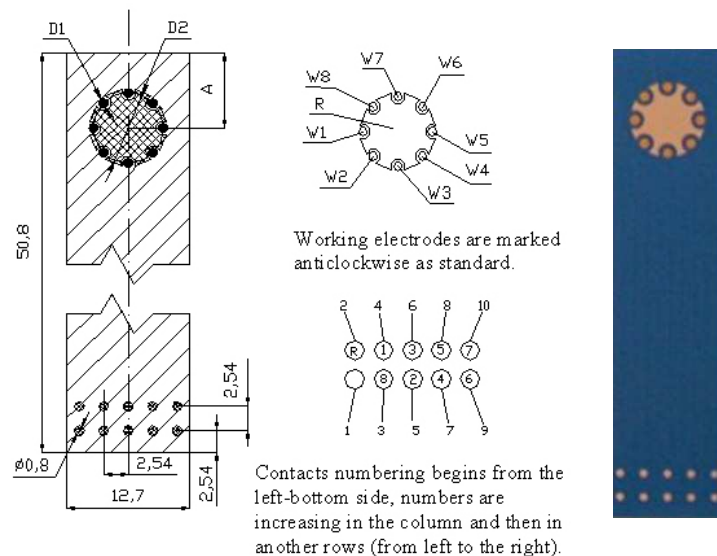
The sensor is formed on a corundum ceramic base. On to this surface eight working electrodes, and the reference electrode are applied. The electrodes can be made of variety of materials (see below). At the end of the sensor there is a contacting field. It is connected with the active part by the silver 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

*Dimensions:*

Weight: 1.5 gms  
 Length: 50.8 mm  
 Width: 12.7 mm  
 Thickness: 0.63 mm

A = 7.80 ± 0.05 mm  
 D<sub>1</sub> = 1.00 ± 0.05 mm



Electrode Materials are defined by:

**AC9.W\*.R\***

The asterisk is replaced by the appropriate number or letter.

<b>A - Amperometric sensor or electrode</b>	<b>3 - Pure Silver</b>
<b>C - Corundum ceramic base</b>	<b>4 - Graphite</b>
<b>9 - Sensor group reference number</b>	<b>R - Reference electrode material</b>
<b>W - Working electrode material</b>	<b>S - Silver</b>
<b>S - Alloy of Gold and Platinum</b>	<b>1 - Silver / Silver Chloride</b>
<b>1 - Pure Gold</b>	<b>2 - Silver covered by AgCl</b>
<b>2 - Pure Platinum</b>	

### Connector types for AC9 sensors range

	KA9
AC9.W*.R*	✓

### Sensor Usage

This specific range of AC9 sensors enables the measurement of:

- Electrochemical complex with array of electrodes

### 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