

ELECTROCHEMICAL SENSOR

Type: AC5.W*.R*

Description

The sensor is formed on a corundum ceramic base. On to this surface the working and the reference electrodes are applied. The working electrodes create an array of eight electrodes. The electrodes can be made of variety of materials (see below). At the end of the sensor there is a contacting field which 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 immobilised on the working electrodes of the sensor.

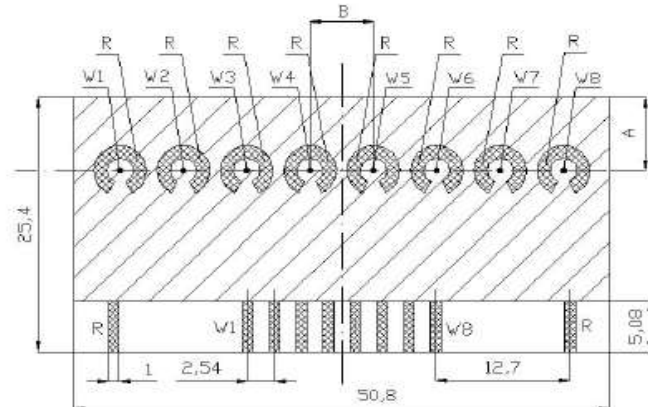
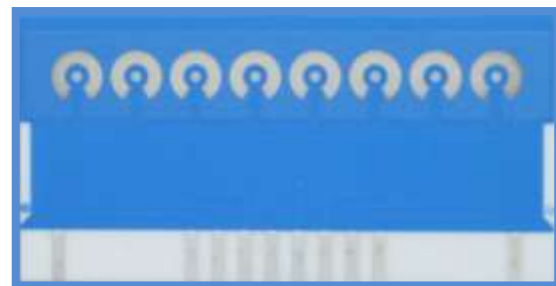
Physical parameters

Dimensions:

Weight: 3 gms
 Length: 25.40 mm
 Width: 50.8 mm
 Thickness: 0.63 mm

A = 6.00 ± 0.05 mm

B = 5.65 ± 0.05 mm



Electrode Materials are defined by:

AC5.W*.R*

The asterisk is replaced by the appropriate number or letter.

AC - Amperometric sensor or electrode on corundum ceramic base	
AC5 - Sensor group reference number	
W - Working electrode material	R - Reference electrode material
S - Alloy of Gold and Platinum	S - Silver
1 - Pure Gold	1 - Silver / Silver Chloride
2 - Pure Platinum	2 - Silver covered by AgCl
3 - Pure Silver	
4 - Carbon(Graphite)	
5 - Manually Microdispensed Carbon(Graphite) with Au+Pt alloy auxiliary electrode	

Connector types for AC5 sensors range

	KA5
AC5.W*.R*	✓

Sensor Usage

This specific range of AC5 sensors enables the measurement of:

- Electrochemical immunoassay

Activation

BVT offers unactivated versions of both W4 and W5 for standard tests and direct measuring. For specialised testing and more precise results it is recommended to have the W4 and W5 activated (the activation in most cases, is unique for each type of test being carried out). The activation can be carried out by BVT, based on your requirements (activation will have an additional cost, which varies based on the type of activation required).

(Note: Please refer to AC1.* Data Sheet for more information on Activation)

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 AC5 sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC5 depends on final technical specification

Example of Order

- 100 pieces - AC5.W2.R1