

## ELECTROCHEMICAL SENSOR

Type: AC8.W\*

### Description

The sensor is formed on a corundum ceramic base. On to this surface four working electrodes are applied. Electrodes are made of variety of materials (see below). At the end of the sensor there is a contact. It is connected with the active part by the silver conducting path which is covered by a dielectric protection layer. Different bio-chemically active substances can be immobilised on working electrodes of the sensor.

### Physical parameters

#### *Dimensions:*

Weight: 1.1 gms  
 Length: 50.80 mm  
 Width: 8.47 mm  
 Thickness: 0.63 mm

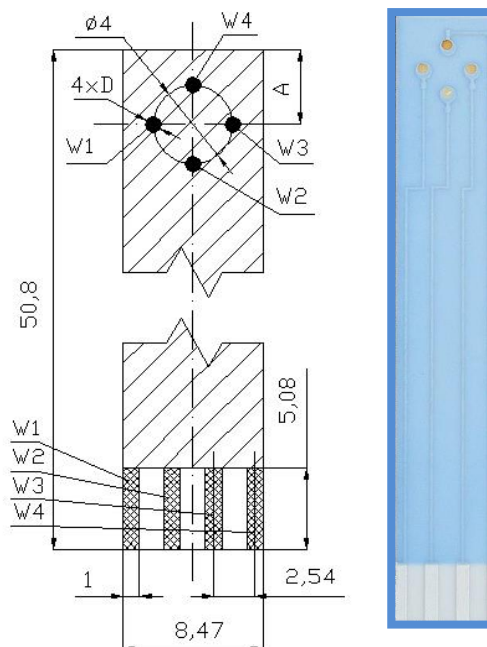
A =  $4.54 \pm 0.05$  mm

D =  $1.00 \pm 0.05$  mm

Electrode Materials are defined by:

**AC8.W\***

The asterisk is replaced by the appropriate number or letter.



AC - Amperometric sensor or electrode on corundum ceramic base
AC8 - Sensor group reference number
W - Working electrode material
S - Alloy of Gold and Platinum
1 - Pure Gold
2 - Pure Platinum
3 - Pure Silver
4 - Carbon(Graphite)
5 - Manually Microdispensed Carbon(Graphite)

### Connector types for AC8 sensors range

	KA8.S
AC8.W*	✓

### Sensor Usage

This specific range of AC8 sensors enables the measurement of:

- 4 independent species (modified by enzyme, DNA, antibody, etc.)
- multianalyte detection

### 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)

### Examples of Order

- 100 pieces - AC8.W2

### Ordering information

- The order is specified by whole sensor description formula
- Minimum order quantity - 20 sensors
- All order quantities are to be in multiples of 20 e.g. 20, 40, 60, etc.
- Delivery time for standard AC8 sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC8 sensors depends on final technical specification of order