

ELECTROCHEMICAL SENSOR

Type: AC7.W*.R*

Description

The sensor is formed on a corundum ceramic base. On to this surface the working, the reference and the auxiliary electrodes are applied. The electrodes are 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 is put on the working electrode of the sensor.

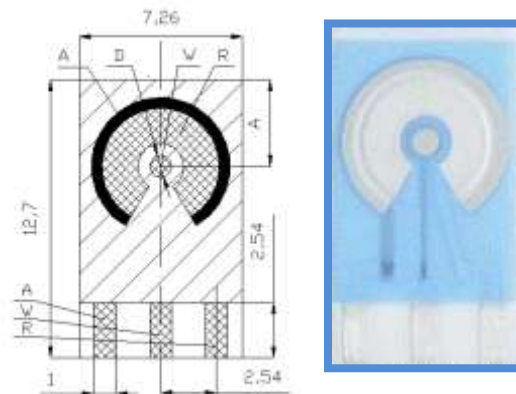
Physical parameters

Dimensions:

Weight: 0.2 gms
Length: 12.70 mm
Width: 7.26 mm
Thickness: 0.63 mm

A = 4.00 ± 0.05 mm

D = 1.00 ± 0.05 mm



Electrode Materials are defined by:

AC7.W*.R*

The asterisk is replaced by the appropriate number or letter.

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

Connector types for AC7 sensors range

	KA7
AC7.W*.R*	✓

Connector Types for AC7 Sensor Range

Soldered pins



Sensor Usage

This specific range of AC7 sensors enable the measurement of:

- Basic electrochemical and bio-electrochemical techniques
- H₂O₂ concentration
- Glucose
- Ferricyanide
- Toxicity caused by pesticides
- Enzyme activity
- Enzyme activity and Michaelis Menten constant

Ordering information

- The order is specified by whole sensor description formula
- Minimum order quantity - 25 sensors
- All order quantities are to be in multiples of 25 e.g. 25, 50, 75, etc.
- Delivery time for standard AC7 sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC7 sensors depends on final technical specification of order

Examples of Order

- 100 pieces - AC7.W2.R1