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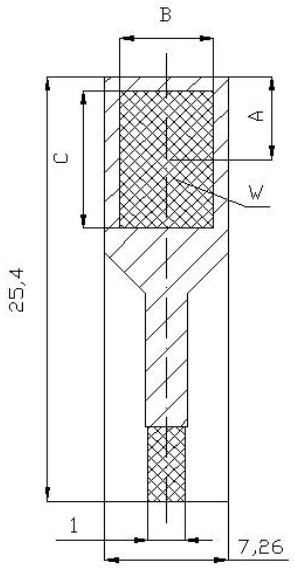
ELECTROCHEMICAL SENSORS

Type: AC4.W* (*)

Description:
The sensor is formed on a corundum ceramic base. On to this surface working electrode is applied. The working electrode is made of Gold in standard product AC4.WS. At the end of the sensor there is a contact which is connected with the active part by the silver conducting path which is covered by a dielectric protection layer. A bio-chemically active substance is put on the working electrode of the sensor.



Physical parameters:
Weight: 0.5 gms
Length: 25.40 mm
Width: 7.26 mm
Thickness: 0.63 mm

A	5.20 ± 0.05 mm
B	4.60 ± 0.05 mm
C	7,30 ± 0.05 mm

Electrode Materials
are defined by: **A4.W***

The asterisk is replaced by the appropriate number or letter

A = Amperometric sensor or electrode	2 – Pure Platinum
C = Corundum ceramic base	3 – Pure Silver
4 = Sensor group reference number	4 – Graphite 1 (7101)
W – Working electrode material	
S – Alloy of Gold and Platinum	
1 – Pure Gold	

Sensor Usage:
This specific range of AC4 sensors enables the measurement of:
- Auxiliary electrode
- Working electrode with extremely big surface

Experimental Accessories:
- Standard electrochemical Vessel

Evaluating Units:
- Any polarographic analyzer

Examples of Order:

- 100 pieces – AC4.W2

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 AC4 sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC4 sensors depends on final technical specification of order

Examples of Order:

- 100 pieces – AC4.W2

The explicit list of materials used for electrode preparation

Type of Sensor	Electrode Material	Conducting Paths
	Working	
AC4.WS	PtAu (15 / 85%)	Ag
AC4.W1	AuPd (98 / 2%)	Ag
AC4.W2	Pt (100%)	Ag
AC4.W3	AgPd (98 / 2%)	Ag
AC4.W4	C (7101)	Ag