

SENSOR FOR SORET SYSTEM

Type: AC13S.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 working and the auxiliary electrodes are made of variety of materials. 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 electrode of the sensor to create a biosensor.

Physical parameters

Dimensions:

Weight: 4 gms
 Length: 54.00 mm
 Width: 16.16 mm
 Thickness of ceramic: 0.63 mm

A = 4.00 ± 0.05 mm

D = 1.00 ± 0.05 mm



Electrode Materials are defined by:

AC13S.W*.R*

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
13 - Sensor group reference number	4 - Graphite
S - Soret system	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

Connector types for AC13S sensors range

	KAS.*
AC13S.W*.R*	✓

Sensor Usage

This specific range of AC13S sensors enable the measurement of:

- Development of new analytical techniques where the mass transport is based on thermodiffusion
- Measurement of thermal optimum of immobilized enzymes
- Relaxation techniques in slow chemical reaction
- Measurement of electrode reaction activation reaction
- Measurement of immobilized biochemical compounds activation reaction
- Measurement with ionic liquids
- Measurements with viscous liquids

Ordering information

- The order is specified by whole sensor description formula
- Minimum order quantity - 5 sensors
- Delivery time for standard AC13S sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC13S sensors depends on final technical specification of order