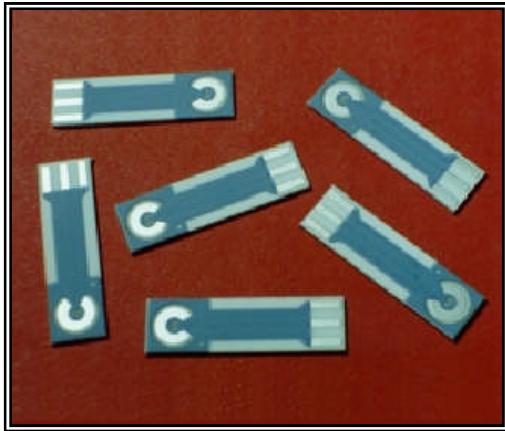


GOD BIOSENSOR

Type : AC1.GOD



Description

Glucose Oxidase (GOD) from *Aspergillus Niger* is immobilized on the active surface of a working electrode of amperometric substrate AC1.W2.RS. The diameter of the immobilized bioactive membrane is 2 mm and the mean applied activity is 1 unit /mm².

Physical Parameters

Weight	Dimensions		
	Length	Width	Thickness
0.4 gms	25.40 mm	7.26 mm	0.63 mm

$$A = 4,00 \pm 0,05 \text{ mm}$$

$$D = 1,00 \pm 0,05 \text{ mm}$$

Electrode Materials

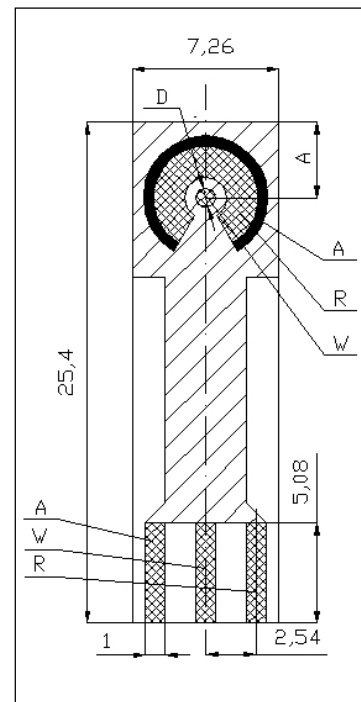
Electrode materials are defined by:

AC1.W2.RS

Working electrode – pure platinum

Reference electrode – silver

(Detailed description of sensor: AC1.W*.R* - datasheet)



Enzymatic membrane containing cca 1 IU of GOD enzyme is immobilized on the working electrode surface.

Unit Definition

Glucose Oxidase from *Aspergillus Niger*:

- GOD
- β -D-Glucose: oxygen 1-oxidoreductase
- Sigma – Type X-S
- One unit will oxidize 1.0 μ mole of β -D-glucose to D-gluconolactone and H_2O_2 per min at pH 5.1 at 35 °C, equivalent to an O_2 uptake of 22.4 μ l per min.

Connector Types for AC1.GOD Sensor Range

- KA1
- KSA1

Optional Equipment

Evaluating Units:

- BA1.*

Experimental Accessories:

- Flow Through Adapter (FC2.*)
- Micro Flow System (MFS.*)
- Peristaltic Pump (*PP*.)
- Thermostated Vessel (TC1.*, TC2.*)
- Thermostat (TK-1.*)

Sensor Usage

Measurement of β -D-Glucose concentration

Software Packs

These are available for:

- BTA software – PC program containing a specialized module for glucose concentration calculation

Expiration

12 months when stored at temperature 4 – 7 °C

Transport

Sensors are delivered in thermo boxes keeping low temperature when ambient temperature may exceed 40 degrees Celsius.

Ordering Information

- The order reference: AC1.GOD
- Minimum order quantity – 25 sensors
- Orders in multiples of 25
- Delivery time for standard AC1.GOD sensors is 4 weeks from receipt of order
- Delivery time for non-standard AC1.GOD sensors depends on final technical specification of order

Examples of Order:

- 100 pieces – AC1.GOD