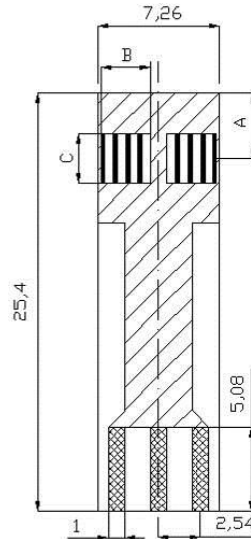


CONDUCTOMETRIC SENSOR SUBSTRATES

Type: CC3.WSP

Description

The sensor is formed on a corundum ceramic base. Onto this surface two interdigitated structures of electrodes are applied. The electrodes are applied by sputtering. At the end of the sensor there is a contact which is connected with the active part by the gold conducting path which is covered by a polymer dielectric protection layer. A bio-chemically active substance can be immobilised on the electrodes, one interdigitated structure, the second structure is reference.

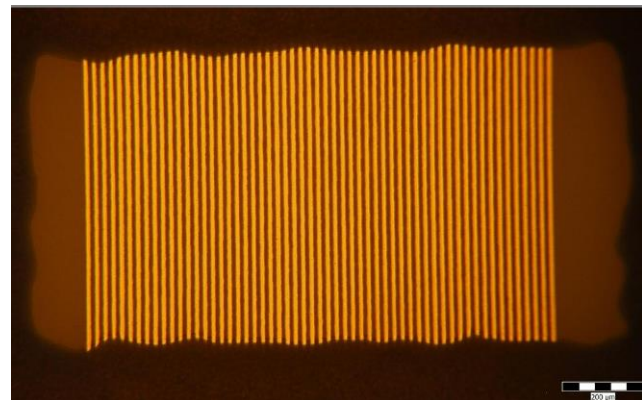


Physical parameters

Dimensions:

Weight:	0.4 gms
Length:	25.40 mm
Width:	7.26 mm
Thickness of sensor:	0.63 mm
Thickness of lines:	10 μm
Gap between lines:	10 μm

A = 4.00 ± 0.05 mm
 B = 1.50 ± 0.05 mm
 C = 0.65 ± 0.05 mm



Electrode Materials are defined by:
 CC3.WSP

The asterisk is replaced by the appropriate number or letter.

C - Conductometric sensor	WSP -Working electrode (Au) applied by sputtering
C - Corundum ceramic base	
3 - Sensor group reference number	

Connector types for CC3 sensors range

	KA1	KA1.S	KA1.C	KA4
CC3.WSP	✓	✓	✓	✓

Sensor Usage

This specific range of CC3 sensors enables the measurement of:

- Basic electrochemical and bio-electrochemical techniques
- Conductivity analysis
- Differential conductivity analysis

Software Packs

These are available for bipolar current pulse measurement

Related patents

- CZ-PV 2001-3227

References

- N. Tekaya, O.Saipina, H. B. Ouada, F. Lagarde, P. Namour, H. B. Ouada, N. Jaffrezic-Renault
Bi-Enzymatic Conductometric Biosensor for Detection of Heavy Metal Ions and Pesticides in Water Samples Based on Enzymatic inhibition in *Arthrospira platensis*, *Journal of Environmental Protection*, 2014, 5, 441-453

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, 80, etc.
- Delivery time for standard CC3 sensors is 4 weeks from receipt of order
- Delivery time for non-standard CC3 sensors depends on final technical specification of order

Example of Order

- 100 pieces - CC3.WSP