

## TESTING SENSOR

Type: TS

### Description

Electrochemical measurements are very sensitive. Sometimes cables, connectors and their wetness can create the measurement errors. Testing sensor enables simple identification of electrochemical hardware error. The sensor has same geometry as AC1 type but its response produced by resistor. The response is stable and independent on chemistry. Testing sensor is formed on a corundum ceramic base. At the end of the sensor there is a contacting field which is connected with the SMD resistors by the silver conducting paths which are covered by a dielectric protection layer.



### Physical Parameters

#### *Dimensions:*

Weight: 0.4 gms  
 Length: 25.40 mm  
 Width: 7.26 mm  
 Thickness: 1.2 mm

### Evaluation units

- PalmSens
- eDAQ

### Connector types for TS sensors range

	KA1	KA1.S	KA1.C	KA4
TS	✓	✓	✓	✓

Sensor is compatible with FC2, FC4

### Sensor Usage

- Simple identification of electrochemical hardware error
- Testing of connector measurement channel for AC1 placing
- Calibration due to measurement of resistor characteristic with defined value of resistance

### References

- S. Pavel, A. Martin, V. Radimir, J. Krejci and P. Jan, Calibration and testing in voltammetric and amperometric sensor measurements, *Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (IEEE Cat. No.03CH37439)*, 2003, pp. 3068-3070 Vol.4.  
 doi: 10.1109/IEMBS.2003.1280789

### **Ordering information**

- The order is specified by whole sensor description formula
- Minimum order quantity - 5 sensors
- All order quantities are to be in multiples of 5 e.g. 10, 15, 20, etc.

### **Examples of Order**

- 10 pieces - TS
- 25 pieces - TS