

SIMPLE CONNECTOR FOR ELECTROCHEMICAL SENSORS

Type: KA8.S.*

DESCRIPTION

Connector for connecting BVT screen printed sensor to a potentiostat

Suitable sensors AC8



PHYSICAL PARAMETERS

Weight:	35.00	g	Width:	8.00	mm
Length:	6.00	mm	Cable length:	1.00	m

TERMINATION

TYPE	TERMINATION	COMPATIBLE EVALUATION UNIT
KA8.S.wire	five single conductors	any device
KA8.S.banana 2 mm	five banana plugs 2 mm	any device
KA8.S.custom	on customer request	-

RECOMMENDED ACCESSORIES

Electrochemical sensors AC8 <https://bvt.cz/produkt/ac8/>

EVALUATION UNITS

Recommended potentiostats

PalmSens (multiplexer) <https://www.palmsens.com/product/emstat4-mux/>

HANDLING

Insert the sensor into the gap on the face of connector. The active part of sensor should be oriented towards the black point on face of the connector.

Note: sensor AC8 is not classical three electrode sensor, it has 4 WEs. In this case the connection to the potentiostat according to the cable colors is as follows:

WE1 -> red wire/banana plugs 2 mm

WE2 -> red wire/banana plugs 2 mm

WE3 -> red wire/banana plugs 2 mm

WE4 -> red wire/banana plugs 2 mm

shielding -> green

During the experiment, care must be taken that liquid does not get into the connector contacts. Measurement problems may be caused due to wetness at the contact ends within the connector - if this happens, remove the sensor from the connector, and dry the connector.

For more information see:

<https://bvt.cz/wp-content/uploads/2024/01/AC1.sensor-influence-of-connector.pdf>



STORAGE

Store in a dry environment to prevent contact corrosion.

ORDERING INFORMATION

The order is specified by whole product code.

Minimum order quantity – 1 connector

Example of order

2 pcs – KA8.S.wire

DELIVERY TIME

Delivery time for standard KA8.S connector is a maximum 4 weeks from receipt of order.

Delivery time for non-standard KA8.S connector depends on final technical specification of order.