

CONNECTOR FOR ELECTROCHEMICAL SENSORS

Type: KA9.S.*

DESCRIPTION

Connector for connecting BVT screen printed sensor to a potentiostat

Suitable sensors AC9C



PHYSICAL PARAMETERS

Weight:	52.00	g	Width:	12.00	mm
Length:	15.00	mm	Cable length:	1.00	m

TERMINATION

TYPE	TERMINATION	COMPATIBLE EVALUATION UNIT
KA9.S.wire	ten single conductors	any device
KA9.S.banana 2 mm	ten banana plugs 2 mm	any device
KA9.S.custom	on customer request	-

RECCOMENDED ACCESORIES

Electrochemical sensors AC9C	https://bvt.cz/produkt/ac9c/
AC9C Holder	https://bvt.cz/produkt/ac9c-holder/
Electrochemical glass cell TC9	https://bvt.cz/produkt/tc9/

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: AC9C sensor has 8 WEs + 1 RE/CE. In this case the connection to the potentiostat according to the cable colors is as follows:

WE 1-8 -> **red wire/banana plugs 2 mm**

RE/CE-> **blue wire/banana plug 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 – KA9.S.wire

DELIVERY TIME

Delivery time for standard KA9 connector is a maximum 4 weeks from receipt of order.

Delivery time for non-standard KA9 connector depends on final technical specification of order.