

CONNECTOR FOR ELECTROCHEMICAL SENSORS

Type: KA4.*

DESCRIPTION

Connector for connecting BVT screen printed sensor to a potentiostat

NOTE: BVT delivers cables and connectors for basic, three-electrode (WE, REF, AUX) measurement. If you need special measurement with more connection, request a Palmsens connector, which we also supply.

Suitable sensors AC4

Properties Contains a rubber sealing insert, making it ideal for measurements in humid environments



PHYSICAL PARAMETERS

Weight:	35.00	g	Width:	11.00	mm
Length:	40.00	mm	Cable length:	1.00	m

TERMINATION

TYPE	TERMINATION	COMPATIBLE EVALUATION UNIT
KA4.wire	four single conductors	any device
KA4.banana 2 mm	four banana plugs 2 mm	any device
KA4.custom	on customer request	-

RECCOMENDED ACCESORIES

Electrochemical sensors AC4 https://bvt.cz/kategorie-produktu/sensors/screen_printed_electrodes/

EVALUATION UNITS

Recommended potentiostats

PalmSens <https://bvt.cz/kategorie-produktu/potentiostats/palmsens-potentiostats/>

BVT <https://bvt.cz/produkt/gx102-potentiostat/>

eDAQ <https://bvt.cz/kategorie-produktu/potentiostats/edag-potentiostats/>

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: AC4 is single electrode sensor, it means that just **red wire/banana plug 2 mm** from the connector should be connected to the potentiostat as WE.

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 internal part of 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 – KA4.wire

DELIVERY TIME

Delivery time for standard KA4 connector is a maximum 4 weeks from receipt of order.

Delivery time for non-standard KA4 connector depends on final technical specification of order.