

SIMPLE CONNECTOR FOR ELECTROCHEMICAL SENSORS

Type: KA6.S.*

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 AC6

Properties low cost



PHYSICAL PARAMETERS

Weight:	29.00	g	Width:	14.00	mm
Length:	30.00	mm	Cable length:	1.00	m

TERMINATION

TYPE	TERMINATION	COMPATIBLE EVALUATION UNIT
KA6.S.wire	five single conductors	any device
KA6.S.banana 2 mm	five banana plugs 2 mm	any device
KA6.S.custom	on customer request	-

RECCOMENDED ACCESORIES

Electrochemical sensors AC6 <https://bvt.cz/produkt/ac6/>

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/edaq-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: The AC6 sensor is not classical three electrode sensor, it has 2 CEs, 1 WE and 1 RE. In this case the connection to the potentiostat according to the cable colors is as follows:

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

RE-> **blue wire/banana plug 2 mm**

AUX1 -> **black wire/banana plug 2 mm**

AUX2 -> **black 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 – KA6.S.wire

DELIVERY TIME

Delivery time for standard KA6.S connector is a maximum 4 weeks from receipt of order.

Delivery time for non-standard KA6.S connector depends on final technical specification of order.