

CONIC CONNECTOR FOR ELECTROCHEMICAL SENSORS

Type: KA2.C.*

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 AC2

Properties

compatible with electrochemical
glass cells TC*



PHYSICAL PARAMETERS

Weight:	36.00	g	Width:	10.00	mm
Length:	37.00	mm	Cable length:	1.00	m

TYPE	TERMINATION	COMPATIBLE EVALUATION UNIT
KA2.C.wire	four single conductors	any device
KA2.C.banana 2 mm	four banana plugs 2 mm	any device
KA2.C.custom	on customer request	-

RECOMMENDED ACCESSORIES

Connector for electrochemical sensor

Electrochemical sensors AC2 <https://bvt.cz/produkt/ac2/>

Electrochemical glass cells TC4, TC5, TC6, TC7 <https://bvt.cz/kategorie-produktu/cell/glass-cells/>

Stirrer for screen printed and classical electrodes ST* <https://bvt.cz/kategorie-produktu/stirres/>

MT-1 Minithermostat <https://bvt.cz/produkt/mt-1/>

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: AC2 sensor is not classical three electrode sensor, it has 2 WEs + 1 RE/CE. Proper connection is mentioned in sensor datasheet.

WE1 -> **red wire/banana plugs 2 mm**

WE2 -> **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 – KA2.C.wire

DELIVERY TIME

Delivery time for standard KA2.C connector is a maximum 4 weeks from receipt of order.

Delivery time for non-standard KA2.C connector depends on final technical specification of order.