

CONIC CONNECTOR FOR ELECTROCHEMICAL SENSORS

Type: KA1.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 AC1, AC4, AC13, CC1, CC2, TS

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

TERMINATION

TYPE	TERMINATION	COMPATIBLE EVALUATION UNIT
KA1.C.wire	four single conductors	any device
KA1.C.TRIAD	Triad 5 pins	Palmsens1 and 2, EmStat1 and 2
KA1.C.LEMO4	Lemo 4 pins	Palmsens3, EmStat3 and 3+, MultiEmStat3 and 3+
KA1.C.LEMO5	Lemo 5 pins	Palmsens4, MultiPalmSens4, EmStat4 *, MultiEmStat4 *, EmStat Pico and Sensit Wearable Development Kits
KA1.C.LEMO8	Lemo 8 pins	Nexus
KA1.C.banana 2 mm	four banana plugs 2 mm	any device
KA1.C.custom	on customer request	-

RECOMMENDED ACCESSORIES

Connector for electrochemical sensor

Electrochemical sensors
AC1, AC13, CC1, CC2, TS

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

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 (with the contact ends pointing towards the connector) 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: sensors AC4, CC1 and CC2 are not connected to the potentiostat as classical three electrode sensors. Proper connections are mentioned in sensor datasheets.

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 – KA1.C.wire

DELIVERY TIME

Delivery time for standard KA1.C connector is a maximum 4 weeks from receipt of order.

Delivery time for non-standard KA1.C connector depends on final technical specification of order.