

CONDUCTIVITY CELL BCSK

- For up to 2 mS/cm water applications
 - Built-in Pt temperature sensor
 - Built-in Pt temperature sensor
 - Electrochemical polishing for food applications
- Two-electrode cell design
 - Detachable DIN connector
 - Stainless steel wetted parts

The BCSK probe is a robust industrial grade conductivity probe for submersion and in-line mounting designed for general and heavy duty industrial low-conductance water applications with conductivity range up to 2mS/cm. The probe design includes stainless steel sheath with tread and external electrode, internal electrode with built-in optional temperature sensor for temperature compensation and a convenient fast-detachable DIN connector. The BCSK probe is a 2-electrode cell with selectable electrode length providing variable cell constant from 0.01 to 0.2 cm⁻¹ and it is well suited with BASI conductivity transmitter series BCOT751. Optional electrochemical polishing of the wetted parts allows usage in food processing equipment.

Variant	1	2	5	10	20
Specifications					
Cell constant [cm ⁻¹]	0.01	0.02	0.05	0.1	0.2
Conductivity ranges [µS/cm]	0÷1 to 0÷100	0÷2 to 0÷200	0÷5 to 0÷500	0÷10 to 0÷1000	0÷20 to 0÷2000
External electrode (D x w)	12 x 1.5 mm	12 x 1 mm	16 x 1.5 mm	16 x 1.5 mm	18 x 1 mm
Internal electrode (d)	6 mm	6 mm	6 mm	6 mm	6 mm
Probe insertion length (n)	70 mm	48 mm	24 mm	20 mm	16 mm
Probe extension length (m)	0 ... 100 mm				
Applicable conductance range	0.1... 10000 µS				
Electrodes design	external electrode (connected to the sheath), isolated internal electrode (with built-in Pt1000 temperature sensor)				
Process connection	G1/2" or 1/2" NPT				
Operating temperature	-10...150 °C				
Operating pressure	up to 6 bar				
Wetted parts	electrodes: stainless steel, mounting thread: stainless steel, insulation: Teflon®				
Sheath material	stainless steel				
Wiring	4-pin detachable connector DIN 43650				
Mounting	from vessel outside				
Protection	IP65 (connector)				



ORDER INFORMATION BCSK-X-X-X-X-X

VARIANT	TEMP.SENSOR	LENGTH
1,2,5,10,20 See tables above	X None RG Pt1000 Z Specify	m=0-100mm
MOUNTING	ELECTRODE	OPTIONS
Q4 G1/2" Q10 G1/2" NPT Z Specify	M1 1.4301 M2 1.4541 M3 1.4571 M9 1.4404 M15 1.4362	X None OP Electrochem. polished wetted parts

BASI reserves the right of changing specifications without prior notice



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