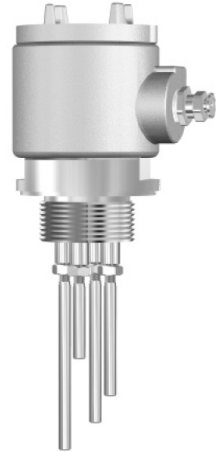


- ◆ Low cost
- ◆ Up to 4 electrodes (3 plus reference)
- ◆ Applicable to conductive liquids
- ◆ Compatible with LC level controllers/indicators
- ◆ Electrode coating available
- ◆ Local controller available
- ◆ ATEX certified Ex version available

The BLCSA6 level probe is intended for multi-point control of conductive liquids in combination with conductivity level controllers/indicators, such as the controllers of the BLC series produced by BASI. Up to 4 replaceable rod-type electrodes (4 operating or 3 operating and 1 reference) can be attached to the probe header. BLCSA6 can be mounted on the top of various vessels: metal or nonmetal, open-surface, closed, or pressurized up to 16 bar. The (insulated) stainless steel wetted parts allow usage in the food, pharmaceutical, and chemical industries, and the available EEx 'd' approved enclosure provides a high grade of protection. Thanks to its compact design, the BLCSA6 probe is very useful in multi-level control applications.



Technical specifications

Model	BLCSA6		
Specifications			
Electrodes	1, 2, 3, or 4 operating electrodes ⁽¹⁾ + reference electrode ⁽²⁾		
Probe length	60...3000 mm for each electrode		
Process socket	1½" (G or NPT) or flange		
Rod insulation	none or PTFE tube		
Wiring	cable gland		
Mounting	top		
Housing	IP65 ABS box 80x80x60 mm	IP65 aluminum protection head	Ex 'd' IP66 stainless steel protection head
Operating temperature	-20...70 °C	-20...200 °C	-20...200 °C
Socket material	POM plastic or stainless steel	stainless steel	stainless steel
Operating pressure	up to 1 bar	up to 16 bar	up to 16 bar

⁽¹⁾ Electrically isolated from the metal housing!

⁽²⁾ Non obligatory electrode, which is electrically connected to the metal housing!

Ordering code BLCSA6-x-x-x-x-x-x-x-x

Feature or option	Code values
Variant	1, 2, 3, 4 - with 1, 2, 3, 4 operating electrodes only, 1R, 2R, 3R - with 1, 2, 3 operating plus 1 reference electrode
Housing	D - ABS box 80x80x60 mm, E - IP65 head type "E", EGS - IP66 ATEX-approved Ex 'd' head type "EGS"
Rod length [mm] ⁽³⁾	L1/L2/L3/L4 (each length: 60...3000)
Process connection	Q13 - G1½", Q16 - NPT 1½", F - flange (specify!), Z - other (specify!)
Rod material	M1 - 1.4301, M2 - 1.4541, M3 - 1.4571, M9 - 1.4404, M15 - 1.4362
Rod insulation	X - none (non-insulated rods), TF - PTFE protective tube
Reference rod insulation	X - none (non-insulated rod), TF - PTFE protective tube
Rod separator ⁽⁴⁾	X - none, SP - PTFE rod separator mounted
Local controller	X - none, A - local controller mounted ⁽⁵⁾

⁽³⁾ Specify the exact length (step 50 mm) for every rod including referenced (L4).

⁽⁴⁾ It is obligatory, if two of the rods are longer than 500 mm.

⁽⁵⁾ See controller datasheets and order separately!