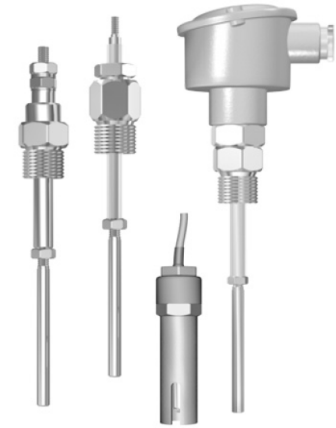


- ◆ Low cost
- ◆ Applicable to conductive liquids
- ◆ Compatible with LC level controllers/indicators
- ◆ Submersible variant
- ◆ ATEX certified Ex version available
- ◆ Electrode coating available
- ◆ Wide field of applications



The BLCSA single-point level probe (conductivity cell electrode) is designed for usage in combination with conductivity level controllers/indicators, such as the controllers of the BLC series produced by BASI. The probe's wetted parts are made of (insulated) stainless steel and thus allow usage in the food, pharmaceutical, and chemical industries. BLCSA can be mounted on various vessels: metal or nonmetal, open-surface, closed, or pressurized. Different designs are available for solving various level measurement problems: protection against condensation and dripping, protection of leads from excessive moisture, usage in deep wells, etc.

Technical specifications

Variant	1	3	5	2	4
Specifications					
Probe length	changeable rod: 50...3000 mm			fixed rod: 50...1000 mm	cable: 0...50 m
Process connection	3/8", 1/2", M20X1.5	3/8", 1/2", M20X1.5	3/8", 1/2", M20X1.5	M20X1.5	-
Rod/socket material	stainless steel				
Probe insulation	none	yes	yes	yes	-
Operating temperature	-40...250 °C	-20...200 °C (up to 120 °C with polyolefin tube)			-20...90 °C
Operating pressure	up to 40 bar	up to 25 bar		up to 3 bar	up to 6 bar
Housing	-	-	protection head	-	POM
Enclosure protection	IP20		IP55...IP68	IP20	-
Wiring	open screw and nut		cable gland	open screw and nut	free cable ends
Mounting	side or top				free
Usage	non-insulated probe	insulated probe	probe with protection head	low-cost insulated probe	submersible probe

Ordering code BLCSA-X-X-X-X-X-X-X

Feature or option	Code values
Variant	1, 2, 3, 4, 5
Protection head ⁽¹⁾	B - type "B", MB - type "MB", G - IP65, type "G", D - type "D", DH - w/ high cap, type "DH", ES - stainless-steel, type "ES", EG - IP68 ATEX-approved Ex 'd', type "EG", EGS - IP66 ATEX-approved Ex 'd', type "EGS", EGW - windowed ATEX-approved Ex 'd', type "EGW"
Rod length 'L' [mm] ⁽²⁾	50...3000 (see table above)
Cable length 'k' [m] and type ⁽³⁾	1PV...50PV - PVC, 1SL...50SL - silicone, 1PU...50PU - polyurethane ⁽⁵⁾
Process connection ^(2,4)	Q2 - M20x1.5, Q3 - G3/8", Q4 - G1/2", Q9 - NPT 3/8", Q10 - NPT 1/2", 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 ⁽²⁾	X - none (non-insulated rod), TF - PTFE protective tube, OF - polyolefin protective tube

⁽¹⁾ Only for variant '5'
⁽²⁾ Omit for variant '4'
⁽³⁾ Only for variant '4'
⁽⁴⁾ Applicable for the selected variant
⁽⁵⁾ Contact BASI!