Conductive rod probe:
SLK

for food aplications; up to 4 measuring points, with 4 rods; medium temperature: -40°C...+130°C; pressure: 20 bar

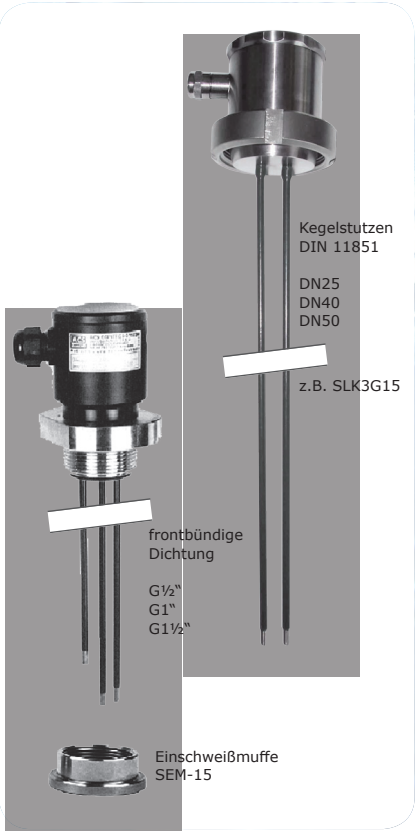
Description

The SLK rod probes are used in conjunction with the evaluation units (eg, SRA-100-U0) for level detection and level control in conductive liquids, especially in food and used in the pharmaceutical sector, where high hygiene requirements.
Depending on the number of bars and evaluation devices used, different measurement tasks such as Overflow, dry run, two-step control, moisture detection, etc. are realized.

Depending on model selected can include the container wall as a mass, to be implemented to 4 set points.
The ground connection is made in the probe head and is transferred through the threads on the conductive container.
process connections, various hygienic connections are available, the seal gap, flush.

In the probe head, an additional module (diode module LBM) for permanent circuit monitoring to be installed.
In the case of a line break between the electrode probe and an appropriate evaluation, the evaluation issue an alert.

By stainless steel process connection the probe is to 20bar pressure stable and in conjunction with the ETFE coating, process temperatures up to +130°C can be realized.



Application

- Level detection in conductive liquids
- Up to six limit levels simultaneously detectable
- As leakage or overflow protection in containers
- For minimum / maximum / resp. multi-point-detection in containers
- As pump protection, resp. dry run protection in pipelines
- For two-point control of pumps
- For conductivities from 1 µS/ cm
- For process temperatures from -15 ° C up to +130 ° C
- For process pressures from -1 bar up to +10 bar
- Material also for corrosive and aggressive products
- ATEX II 1G Ex ia IIB / IIC T6 ... T1 Ga
- Approved for use in hazardous areas
- Integrated line break monitoring
- Use in hygienic areas

Specials



Your benefits

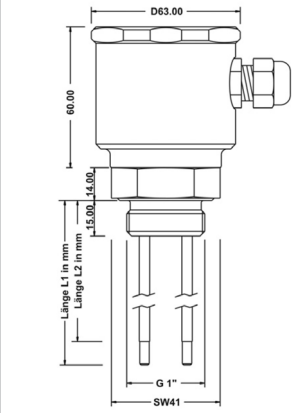
- Suitable for *aggressive media* due to the use of special material such as. Hastelloy; PTFE; ETFE etc.
- Simple switching point adjustment by probe rods that can be shortened

Technical data

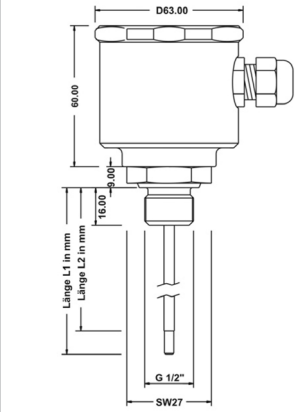
Technical data	
Process pressure max:	-1...+20 bar
Medium temperature:	-40°C...130°C
Protection:	IP65 EN/IEC 60529
Material connection housing:	CrNi-steel / POM / PP / PTFE
Material process connection :	Steel 1.4404 (AISI316L) resp. 1.4571 (AISI316Ti)
Material probe rod:	Steel 1.4404 (AISI316L) resp. 1.4571 (AISI316Ti) / Hastelloy B4, C22 / Titan
Isolation probe rod:	ETFE
Gaskets:	Medium contact: EPDM, FDA-listed / Others: NBR, FPM

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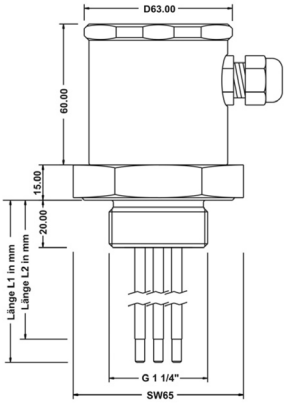
Bestellschlüssel



Prozessanschluss
G10 – G 1"



Prozessanschluss
G12 – G ½"



Prozessanschluss
G14 – G 1 ¼ "

Model
0 Standard
Ex ATEX II 1 G Ex ia IIB/IIC T6...T1 Ga

Electrode rods
1 one-rod-probe
2 two-rod-probe
3 three-rod-probe
4 four-rod-probe

Process connection material steel 1.4404 *(AISI 316L)* / 1.4571 *(AISI 316Ti)*
D25 Milk tube DN25 DIN 11851 only with one electrode rod possible
D40 Milk tube DN40 DIN 11851 up to three electrode rods possible
D50 Milk tube DN50 DIN 11851 up to four electrode rods possible
G12 G½" O-ring flush mounted only with one electrode rod possible
G10 G1" O-ring flush mounted up to three electrode rods possible
G15 G1½" O-ring flush mounted up to four electrode rods possible
M12 G½" metal-seated only with electrode rod possible

Material probe rod
(price per 100mm)
A4 CrNi-steel, rod diameter 4 mm
A8 CrNi-steel, rod diameter 8 mm
C Hastelloy B4, rod diameter 4 mm
D Hastelloy C22, rod diameter 4 mm
T4 Titan not for Ex-version, 4 mm
T8 Titan not for Ex-version, 8 mm
E 1.4404 steel with 50 mm tantalum tips
Y Others

Material Connection housing
D POM, Ø 60 mm
V CrNi-Steel, Ø 60 mm
M PP, Ø 60 mm
L PTFE, Ø 60 mm
Y Others

Material probe insulation
(price per 100mm)
H4 ETFE, rod diameter 4 mm
H8 ETFE, rod diameter 8 mm
* at lengthn over 1 m

Circuit monitoring
A Without circuit monitoring
B Diode module LBM

Diameter probe rod
0 4 mm (L1 max. 2000mm)
W 8 mm 8 mm (L1 max. 3000mm)

Length L1 probe rod in mm - up to max. 2500 mm

Length L2 insulation mm

Order code

SLK		H		mm		mm

Please name every length if you order different probe lengths!
eg. rod 1: L1/L2, rod 2: L1/L2

Equipment

Order information	*Model*
AH-2	Spacers for 2-rod probes
AH-3	Spacers for 3-rod probes
AH-4	Spacers for 4-rod probes
AH-5	Spacers for 5-rod probes

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