



 **KLAY**

## COMPACT LEVELSWITCH FOR ALL FLUIDS

### VIBRA-SWITCH "C"



- RUGGED AND COMPACT
- SHORT INSERT 47 MM  
TILL EXTENSION OF 3 METER
- ALL STAINLESS DESIGN
- PRINCIPLE: VIBRATING
- HYGIENIC PROCESSCONNECTION
- MAINTENANCE FREE
- PNP OUTPUT

#### DESCRIPTION

The Vibra-Switch "C" is a rugged and compact levelswitch based on a vibrating probe. It can be used to produce a high or low level signal as well as pump control in all fluid types. Due to the high vibration frequency combined with the very rugged probe, the function will not be influenced by turbulence, airbubbles or system vibration. For all available process connections, please refer to ordering code on page 2. Insertion lengths for the units vary between 47 mm to 3 metres.



Short insertion length (47 mm)  
with hygienic process connection

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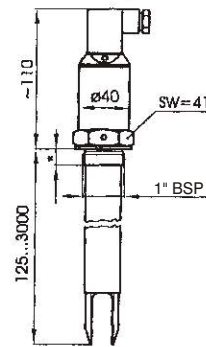
## SPECIFICATIONS

Power supply	: 12 - 40 Vdc
Output	: 3-wire PNP / NPN
Temperature	: - 40° C to +100° C
Ambient temperature	: - 40° C to + 70° C
Max. pressure	: -1 to +40 bar
Max. viscosity	: 10.000 mm <sup>2</sup> /s (cSt)
Material probe	: AISI 316L (Ra < 1,5 µm)
Insertion length	: 47 mm, 100 mm... 3 m.
Protection	: Connector IP65 cable IP68
Switch indication	: by LED
Processconnections	: G1" (1" BSP) Standard for others, see ordercode

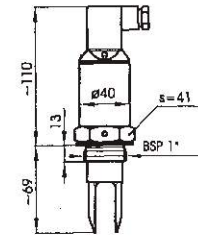
Specifications can change without notice

## DIMENSIONS

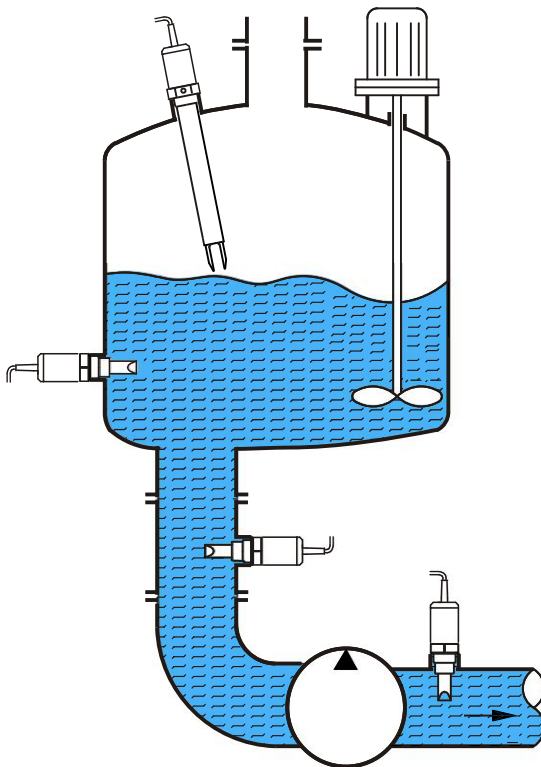
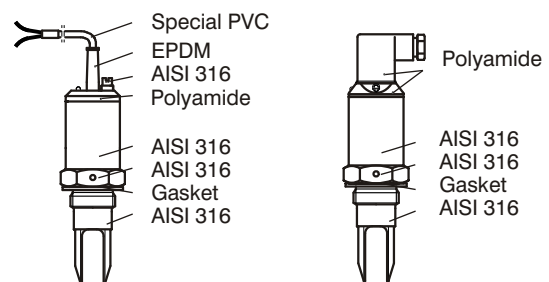
Extended model



Short model



## MATERIALS



## APPLICATIONS

Application examples are: (see drawing)

- Max. level detection in tank
- Min. level detection in tank
- Dry run protection of pumps
- Long version with extended insertion length for min./max. level detection.

## ORDERING CODE

OPTIONS	CODE
Highly polished Ra < 0,5 µm	P

**VSC** - [ ] - [ ] - [ ] - [ ]

PROCESSCONNECTIONS	CODE
1" BSP (standard)	S
Milk coupling DN 40 (DIN11851)	M40
Milk coupling DN 50	M50
Tri clamp (1½" or 2")	L2"
Flange (Specify size)*	F
Special connection	X

INSERTION LENGTH	CODE
SHORT (47 mm)*	47
Standard (100 mm)	100
0.2 to 3 meter	0,2...3

\* Insertion length with Tri-clamp process connection is 52 mm.  
\* Flanged connections are supplied with Vibra Switch, screwed (1" BSP) in flange.

OUTPUT	CODE
3-wire PNP / NPN connector	3
3-wire PNP / NPN cable	4