



 **KLAY**

COMPACT LEVELSWITCH FOR ALL FLUIDS

VIBRA-SWITCH "S"



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

DESCRIPTION

The Vibra-Switch "S" 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.



All stainless housing
and short insertion length (47 mm)

 **KLAY-INSTRUMENTS**
www.klay.nl

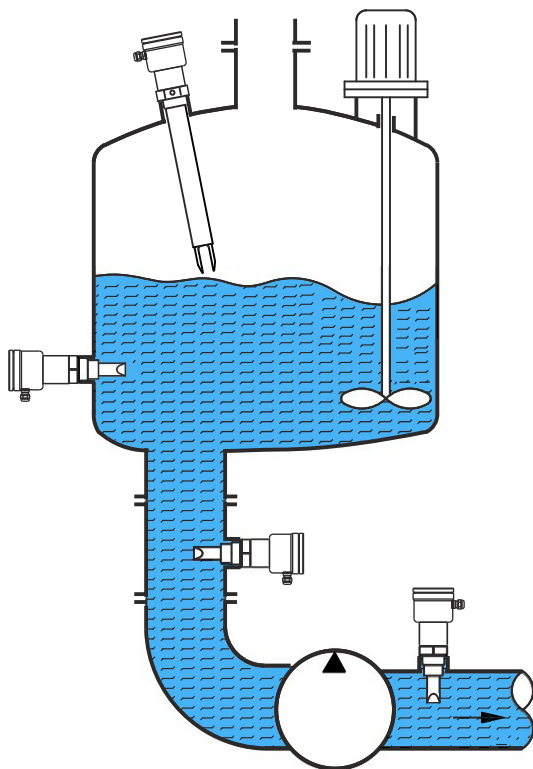
Nijverheidsweg 5
P.O. box 13
Tel. + 31 521-591550
Fax + 31 521-592046

7991 CZ DWINGELOO
7990 AA DWINGELOO
THE NETHERLANDS
Email: info@klay.nl

SPECIFICATIONS

Power supply	: 12 - 40 Vdc
Output	: 3-wire PNP
Process temperature	: - 40° C to +120° C
Ambient temperature	: - 40° C to + 70° C
Max. pressure	: -1 to +40 bar
Max. viscosity	: 10.000 mm ² /s (cSt)
Material probe	: AISI 316L (Ra < 1,5 µm)
Insertion length	: 47 mm, 100 mm... 3 m.
Protection	: IP67
Switch indication	: by internal LED
Process connections	: G1" (1" BSP) Standard for others, see ordercode

Specifications can change without notice

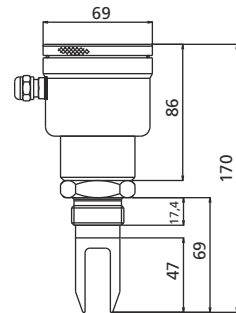


DIMENSIONS

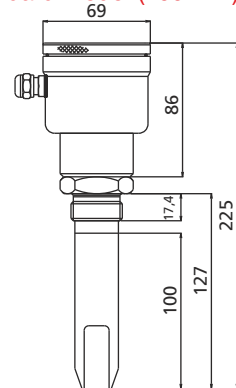
Extended model



Short model (47 mm)



Standard model (100 mm)



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

OPTION	CODE
High polished Ra < 0,5 µm	P

VSS - [] - [] - [] - []

PROCESS CONNECTIONS	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

OUTPUT	CODE
3-wire PNP / NPN	3

* Insertion length with Tri-clamp process connection is 52 mm.

* Flanged connections are supplied with Vibra Switch, screwed (1" BSP) in flange (option: welded).