



LEVEL SWITCHES FOR LIQUIDS 'FLX'



- 'ALL STAINLESS' DESIGN
- BASED ON *CONDUCTIVITY*
- **SANITARY** PROCESS CONNECTIONS
- ADJUSTABLE SENSITIVITY
- EASY INSTALLATION
- RELAY OR PNP OUTPUT
- MAINTENANCE FREE
- EXCHANGEABLE ELECTRONICS

Description

The FLX is a "All Stainless Steel" **liquid Levelswitch**, based on the technology of measuring the conductivity between the sensor tip (9) and the reference part (7) or the tankwall, if it is made from Stainless steel. The FLX can be used in all kinds of **conductive liquids**. Various **sanitary process connections** are available, for use in the Food & Beverage industry, like: G1" (1" BSP) with sanitary weld-on nipple, milk-coupling, tri-clamp or flanges.

There are several executions available, like extended probes without electronics which can be shortened by the customer at any length, or our "flush" mounted version without insertion length (see page 2).



*Hygienic connection
(Varivent) with short
insertion length*



G1" thread flush mounted
(Code: FLX-S-S-Flush)



Flush with
inside tankwall

Specifications

Principle	: Conductivity
Process connections	: G1" (1" BSP) (standard) : Various process connections (see ordering code)
Material housing	: SS 304
Material sensor	: SS 316 L + PEEK (Insulation part 8) (Option: Ceramic for HT)
Insertion length	: 100 mm (standard) From 20 mm to 2 meter (specify)
Process temperature	: -30°C to +100°C (140°C/45 mins) (Option to +180°C)
Ambient temperature	: -20°C to +60°C
Maximum pressure	: 10 bar
Protection grade	: IP67
Electrical connection	: PG9, 1/2" NPT or M20
Power supply	: 20 - 28 Vdc
Output	: Relay or PNP

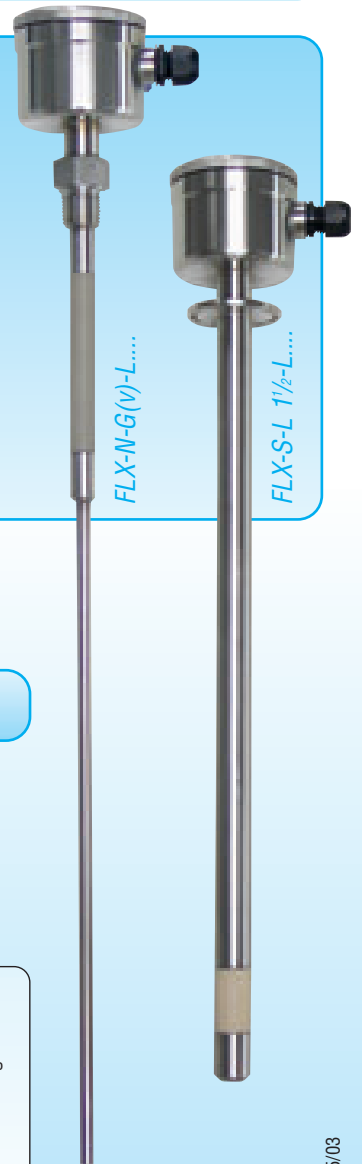
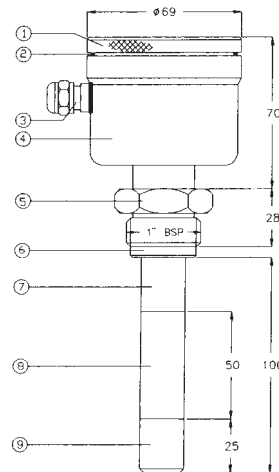
Specifications can change without notice

Dimensions (mm)

Parts description

1. Cover	SS 304
2. O-ring	EPDM
3. Cable gland	
4. Electronics housing	SS 304
5. Nipple SW41	SS 316
6. Process connection	SS 316
G1" (1" BSP)	
7. Sensor (ø 19 mm)	SS 316
8. Insulation part	PEEK
9. Sensor tip	SS 316

'FLX'



Ordering code 'FLX'



Electronics:

- S - Standard (relay)
- N - No electronics

Process connection:

- S - G1" (1" BSP) (standard)
- M - Milkcoupling DN 25, 40 or 50
- L - Tri-clamp 1 1/2", 2" or 3"
- F - Flange (specify size)
- X - Special (specify)
- X4 - Varivent
- G(v) - G1/2" (1/2" BSP) fixed nipple
- G(o) - G1/2" (1/2" BSP) turning nipple

Insertion length:

- Specify in mm
(100 mm is standard)
Min. length: 20 mm
Max. length: 2000 mm
- **Flush** (no insertion length)

Option:

- 1. Isolator (8)
Ceramic Al₂O₃/99%