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).
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: SS 304
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

**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 1½", 2" or 3"
  - F: Flange (specify size)
  - X: Special (specify)
  - X4: Varivent
  - G(v): G½" (1/2" BSP) fixed nipple
  - G(o): G½" (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%

Specifications can change without notice.