

SS FLOW_VFLS

VIBRATING FORK LEVEL SWITCH



KEY FEATURES

- Made from durable materials such as stainless steel, making them suitable for use in harsh environments and with corrosive substances.
- Suitable for detecting both liquids and bulk solids.
- Capable of detecting very low-density materials.
- No Calibration Required:
- No moving parts, reducing wear and tear and the need for maintenance.
- Uses the principle of resonance frequency shift to detect the presence or absence of material.
- Can operate in a wide range of temperatures and pressures, making them suitable for extreme conditions.

WORKING PRINCIPLE

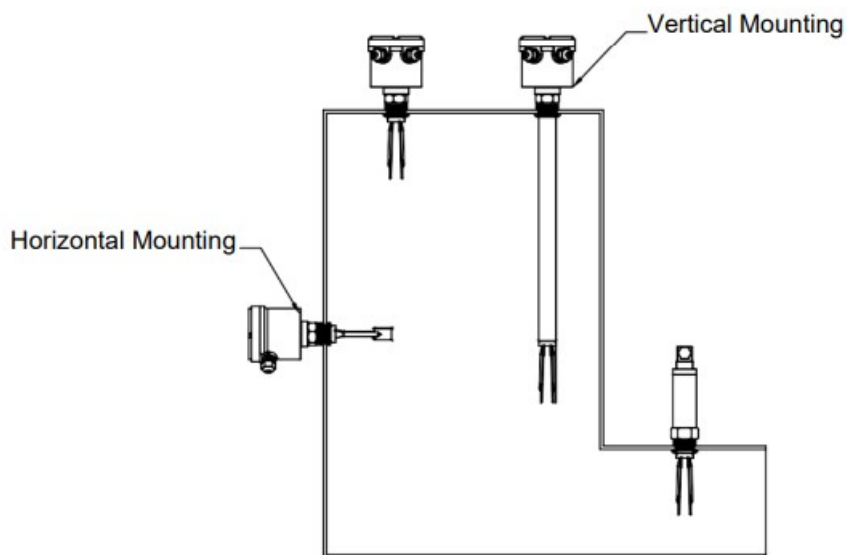
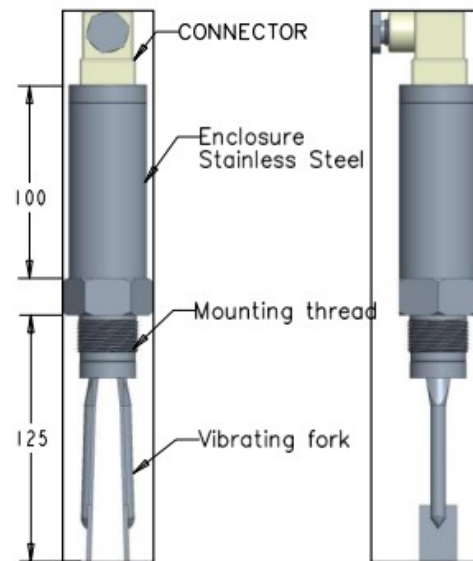
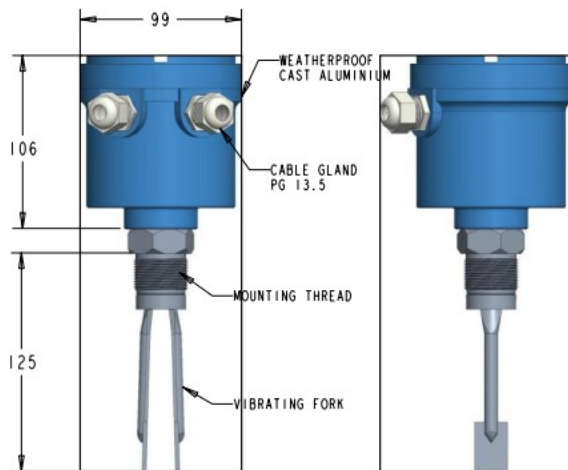
The tuning fork vibration level switch is caused by the resonance of the piezoelectric crystal. When the material is damped, the amplitude decreases sharply and the frequency and phase change significantly. These changes will be detected by the internal electronic circuit and processed. After that, it is converted into a switch signal output. This product can detect, control and alarm the height of the tank, and is suitable for various liquids, powders, and granular solids.

TECHNICAL SPECIFICATION

Measuring medium	Liquid/Powder
Oscillation frequency	350HZ
Precision	±2mm
Measuring length	100-3000mm
Ambient temperature	-40~80°C
Repeatability	±3mm
Indication method	led
voltage	DC24V/ AC220V
power	1 W
output signal	Relay dry contact (DPDT)
Maximum load	8A
Pressure range	-98KPa~5MPa
Operating temperature	-40-150°C
Shell material	Aluminum alloy
Sensor material	Stainless steel 316
Connection material	Stainless steel 304
Protection level	IP67
Electrical interface	M20*1.5/1"G
weight	About 1.2Kg

APPLICATION

- Most liquids with max 10000 mm²/s viscosity
- Corrosive, thick, turbulent, flowing liquids
- Powders and light granules with min. density 0.05 kg/dm³



ORDERING INFORMATION

SS FLOW_VFLS_Probe SIZE			
MOC	1 – SS304 2 – SS316 3 – Other	Protection	1 - IP 65 2 – IP67 3 - Flameproof
Pressure	1 – Up to 16 Bar 2 – Other	Explosion Proof	1 - Yes 2 - No
Connection	1 – Flange 2 – Thread 3 – Clamp	Output :	1 - DPDT Relay 2 – Open CollectorPNP/ NPN
Temperature	1 – 80 Degree C 2 – 120 Degree C 3 - 120 to 200 Degree C	Test Certificate	1 – Factory Calibration 2 – NABL lab
Power	1 – 24vDC 2 – 230V DC 3 – Other	Any Other Details	Please specify
Display	1 - Without 2 – Integral 3 – Remote Type		

Note : Design and aesthetic are subject to change without prior notice because of continuous development

WE UNDERSTAND FLOW

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