

VIBRATING FORK LEVEL SWITCH – VFLS-51**Description**

Vibrating fork Level switch is a robust and compact switch for the measurement of liquids and solids.

Operation

Vibrating fork Level switch is based on vibrating fork technique. An electronically controlled piezo-electric system vibrates the fork at its natural frequency. The electronically stimulated fork vibrates at its mechanically resonance frequency when the fork is free of the service material. The resonance is caused by the piezoelectric crystals. One of the piezo crystals produces a small voltage which is transmitted to the switching amplifier. If the fork is covered by the bulk material, a damping effect is produced and the piezo crystal does not produce the voltage and the amplifier will switch and a corresponding signal output is actuated. The vibration of the fork has Self-cleaning properties.

**Specification**

Supply & Output	Universal In DPDT Out 12 to 60 VDC 12 to 260 VAC 50/60Hz 5 A each @ 24VDC or 220VAC PNP / NPN DC 10 to 60 VDC 150mA max. Short Circuit Safe. Two Wire AC 18 to 260 VAC Two Wire DC 8 / 16 mA 15 to 60 VDC NAMUR
Process Connections	NPT / BSP ¾", 1", 1¼", 1½", & Flanged ANSI/DIN/ASA/custom
Viscosity	10,000 cStokes max
Temperature	-30°C to 200°C
Pressure	15 bar max
Wetted Parts	304/316/316L/PTFE Coating
Extensions Tube	100mm to 3,500mm
Flexible Rope	If required for long length

Features

Fast Switching Response 1 sec
 Minimum ¾" threaded process connections
 High pressure up-to 15 bar forks
 High Temperature up-to 200 °C available
 No Calibration Required.
 Electronic Inserts support all requirements

Application

Chemical / Petro-Chemical, Fertilizer, Power generation, Pharmaceutical, Automobile, Water / Waste Water / Effluent treatment plants, cooling / Lubricating / Filtration systems, Liquid sewerage tanks, etc

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