

LIQUID VIBRATING FORK LEVEL SWITCH

The Vibrating Fork type level switch is a simple, low cost, rugged point Level Switch designed for Level detection of liquids in a tank or vessel. This level switch can be used for detecting high, low level or for both level detection. Used in oil industries, food processing plants, beverages, chemical industry, pulp/paper industry, pharmaceuticals industry etc.

The unit has integral electronics along with time delay feature, LED indication, fail safe logic etc.



Probe Construction suitable for Liquid applications:

Basically the Liquid Vibrating fork type instruments are used for Level detection in Resins, water, oil, acids, chemicals etc. when the media/ liquid level reaches up to the Vibrating fork/ probe,

The vibrations of the fork are damped because of the liquid in contact, and sensing signal reached to connected electronics circuitry and generates a switching signal to relay circuit integrated with timer functions. The fork vibrates at vibrating frequency of 400 Hz (± 10 Hz).

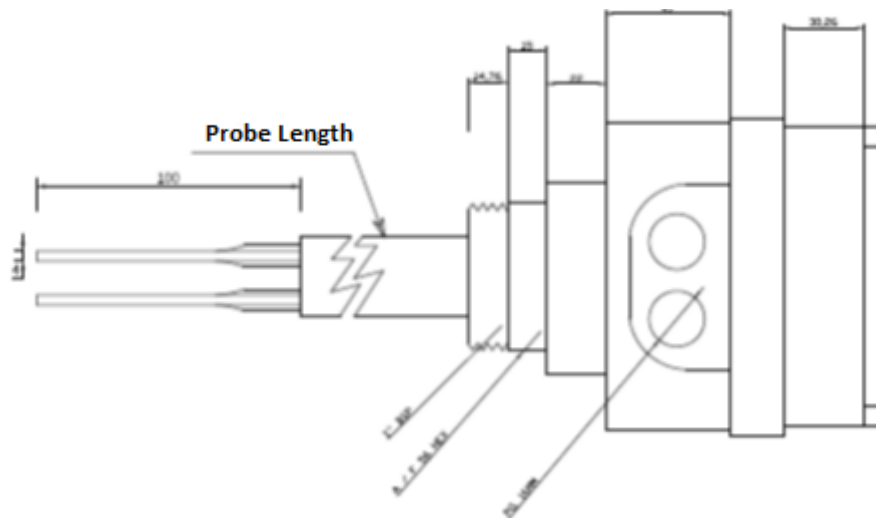
SALIENT FEATURES

- Wide range of application
- Easy installation and maintenance.
- Weatherproof/Flameproof enclosure as per requirement
- SS 316 Vibrating Fork to withstand in harsh environments.
- Adjustable differential time delay with ON/OFF timing.
- Fail Safe High/Low Selection Feature (Field configurable)
- Sensitivity adjustments as per application media.

SPECIFICATIONS

	MODEL DETAILS
SUPPLY VOLTAGE	230VAC or 110VAC or 24V DC (factory selectable)
OUTPUT TYPE	1 DPDT Relay
CONTACT RATING	05 AMPS at 230VAC /24VDC, Resistive load
CABLE ENTRY	2 X PG 16, (others, Specify)
TEMPERATURE	0-80°C for integral type. 0-180°C for integral with Standoff, type 0-180°C for Remote with Standoff, type
PROBE	Type: Standard Probe. Probe Length: 125 MM or As per requirement, please specify, Housing: Cast Al. IP68
MATERIALS	Sensing Fork: SS316, Flange/ Adapter: SS316/SS304/C.S. with PTFE coating
MOUNTING	Std: 1" BSP (M) threaded OR Flanged process connection as per requirement on request. weatherproof as per IP 66 Flameproof (optional)
FREQUENCY	400 Hz (+/- 10%)
TIME DELAY	0 To 20 seconds adjustable With ON/OFF delay Selection
FAIL SAFE	Field Selectable.

Instrument Drawing:



INFORMATION REQUIRED Before Purchase

- Process Parameters: Mounting, Temperature, Vessel pressure,
- Application media characteristics: Density, Viscosity, Sp. Gr.
- Supply Voltage, Probe length, Mounting etc.

Manufactured By:

Major Instruments

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