

Vibrating ROD type Point Level Switch

SILENT FEATURES

- **Fast and Easy Installation**
No Calibration.
- **No Effect of electrical properties of the service material .**
High Reliability
- **Suitable for the highly dusty environment.**
- **Field selectable operation logic.**
Can be configured either for High or Low Level point switching.
- **Provides economical solutions.**
Various models not required. Reduces the Inventory cost.



FUNCTIONS

The electronically stimulated fork vibrates at mechanically resonance frequency of 300 Hz when the rod 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 Rod 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 Rod has self-cleaning properties. The light deposit on the container wall does not affect the operation of this type of Vibrating Rod type Level Switch.

PRIMARY AREA OF APPLICATION

- Building industry materials, cement, sand, lime, etc
- Foodstuff industry, milk powder, flour, salt, food grains, etc
- Plastic industry, powder, granular etc.
- Timber industry, chemical and mining etc

TECHNICAL SPECIFICATIONS (STADARD)

SWITCHING UNIT:

- Housing** : Aluminum, weather proof, powder coated. Integral with The probe/
Suitable for back panel mounting.
- Cable entry** : 2 nos.
- Ambient temperature** : 0° C to +60° C
- Power consumption** : 2 VA
- Mains Voltage** : 230/110 V AC (+/-15%), 50 Hz, or 24 V DC
(OPTIONAL) Universal 65 to 265 V AC
- Output** : 2 sets of potential free c/o contacts rated at 5 amps, 230 VAC for non-inductive loads.
- Switching delay** : Continuously adjustable From 2 to 20 sec. probe Free or probe covered (optional).
- Safety operation** : Field selected switch over for min. or max.(FSL/FSH)switching points.
- Switch status display** : Green LED shows Normal, Red LED shows alarm.

COAT GUARD SENSING PROBE:

- Mounting** : Screwed – 1 ½” BSP (standard) Or Flanged (optional)
- Sense rod** : Rod, Stainless steel
- Extension** : Optional
- Length** : 230 (standard) up to 3000mm & as per application.
- Operating Temperature in vessel** : 150°C for the integral switching unit (standard).

Continuous efforts for product development may necessitate changes in these details without notice

Authorised Dealer



NK Instruments Pvt. Ltd.

B-501/504, 5th floor, Raunak Arcade, Near THC Hospital, Gokhale Road, Naupada,
Thane(W) 400602. Maharashtra INDIA Telefax Nos.: 91-22-25301330 / 31 / 32
E-Mail: sales@nkinstruments.com Web: <http://www.nkinstruments.com>
Skype: nitinkelkarskype Gtalk: nkinstruments2006

