



... the level & gas people

ISO-9001 : 2008 CERTIFIED COMPANY

VIBRATING ROD - POINT LEVEL SWITCH (SERIES 2500)

SALIENT FEATURES:

- **Fast and Easy Installation**
No Calibration.
- **No effect of electrical properties of the Service material.**
High Reliability.
- **Suitable for highly dusty environment.**
- **Suitable for grain size up to 20 mm**
- **Field selectable operation logic.**
Can be configured either for High or Low Level point switching.



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

MEASURING SYSTEM

The complete Instrument, consists of :- The sensing probe of Vibrating Rod and The Electronic Switching unit.

FUNCTION

The electronically stimulated Rod vibrates at its 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 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 the Instrument.

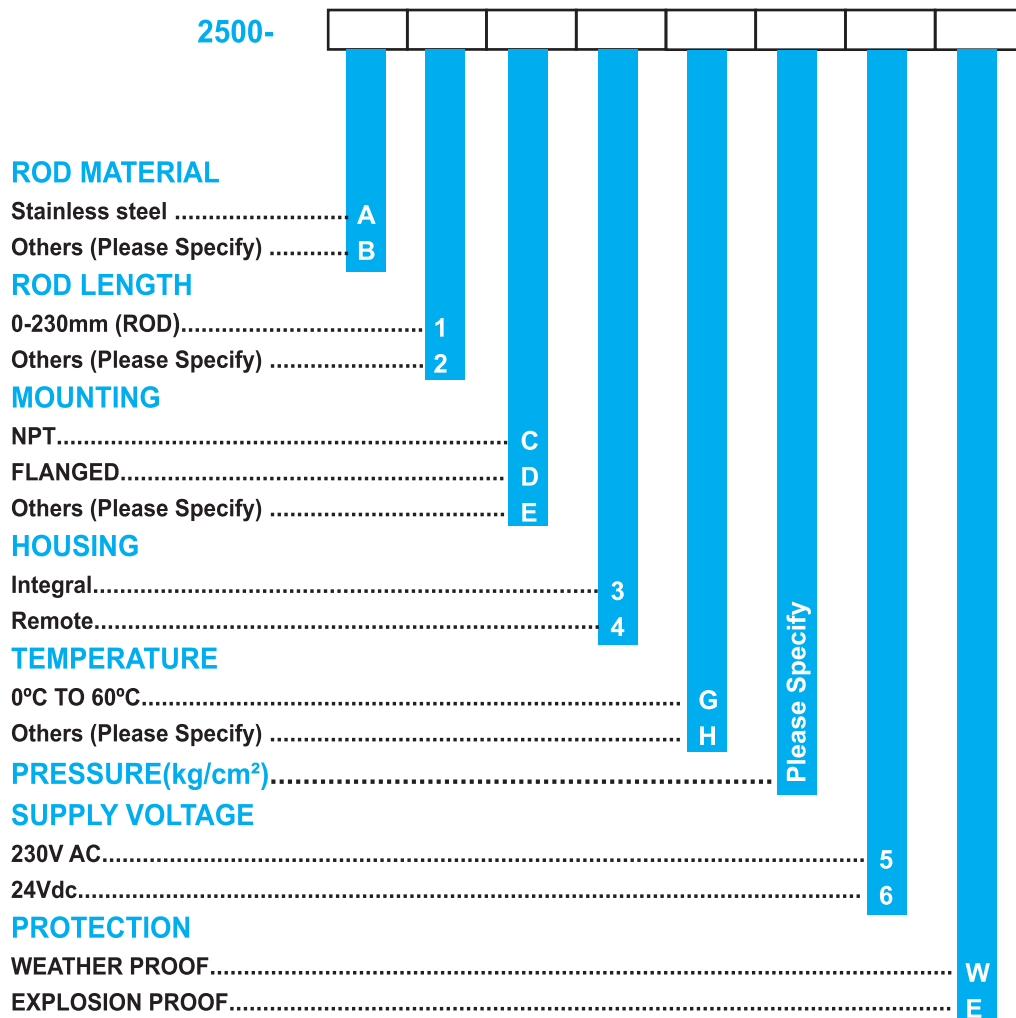
TECHNICAL SPECIFICATIONS SWITCHING UNIT

Housing.....Aluminum, Integral with the probe/suitable for back panel mounting.
Cable entry 1/2" - 3/4" NPT
Ambient temperature.....0° C to + 60° C
Power consumption.....2 VA
Mains Voltage.....230/110 V AC(+/-15%), 50 Hz OR 24 V dc
Output.....2 sets of potential free contacts rated at 5 amps, 230 V AC for non-inductive loads.
Switching delay.....Continuously adjustable 2 to 20 Sec
(Probe Free of material or probe covered with material).
Safety operation.....Field selected switch for Minimum or Maximum. (FSL/FSH) switching points.
Switch status display.....Green LED shows Normal, Red LED shows alarm.

ROD (SENSING PROBE)

Mounting.....Screwed-1½ BSP or Flanged
 Sensor.....Rod, Stainless steel
 Length.....230mm(Standard) up to 3000mm
 Operating Temp in vessel.....150 deg for the integral switching unit.

VIBRATING ROD - POINT LEVEL SWITCH ORDERING INFORMATION



VIBRATING FORK LEVEL SWITCH (SERIES-2600)

SALIENT FEATURES:

- **Fast and Easy Installation**
No Calibration.
- **No effect of electrical properties of the Service material.**
High Reliability.
- **Suitable for highly dusty environment.**
- **Suitable for grain size up to 20 mm**
- **Field selectable operation logic.**
Can be configured either for High or Low Level point switching.



MEASURING SYSTEM

The complete system consists of:-

The sensing probe of Vibrating Fork and The Electronic Switching unit.

FUNCTION:

The electronically stimulated fork vibrates at its mechanically resonance frequency of about 125Hz/400 Hz 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 acuated. The vibration of the fork has self-cleaning properties.

The light deposit on the container wall does not affect the operation of the Instrument

TECHNICAL SPECIFICATIONS SWITCHING UNIT

Housing.....Aluminum, Integral with the probe/suitable for back panel mounting.
 Cable entry 1/2" - 3/4" NPT
 Ambient temperature.....0° C to + 60° C
 Power consumption.....2 VA
 Mains Voltage.....230/110 V AC(+/-15%), 50 Hz OR 24 V dc
 Output.....2 sets of potential free contacts rated at 5 amps, 230 V AC for non -inductive loads.
 Switching delay.....Continuously adjustable 2 to 20 Sec
 (Probe Free of material or probe covered with material).
 Safety operation.....Field selected switch for Minimum or Maximum. (FSL/FSH) switching points.
 Switch status display.....Green LED shows Normal, Red LED shows alarm.

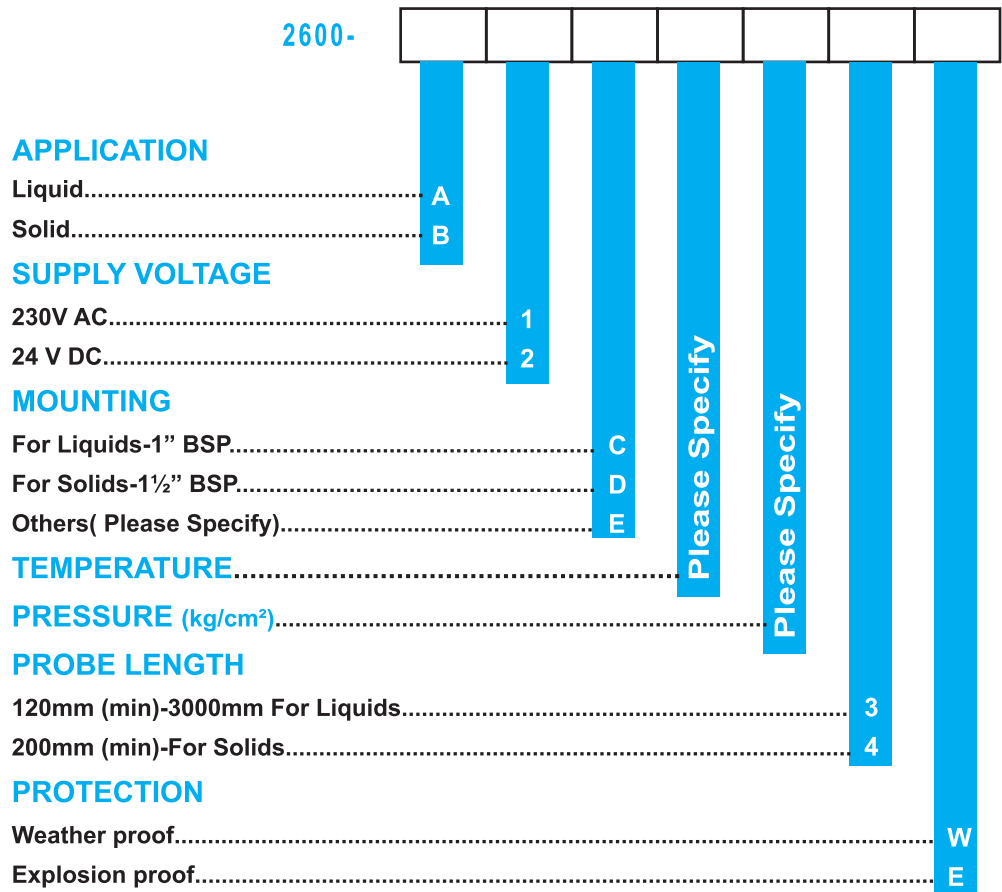
FORK (SENSING PROBE)

Mounting.....Screwed - 1"BSP or Flanged
 Sensor.....Fork, Stainless steel
 Length.....120 mm (standard) upto 3000mm (for Liquids)
 200mm (standard) upto 3000mm (for Solids)
 Extension.....Pipe
 Operating Temp in vessel.....150 deg for the integral switching unit.



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VIBRATING FORK POINT LEVEL SWITCH ORDERING INFORMATION



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(See Website for address)

Specifications Subject to change without prior notice