

Vibrating Rod Level Switch

The Vibrating Rod Level Switch is an economical choice in level detection of powders and bulk solids. The Vibrating Rod Level Switch built with a piezoelectric crystal that vibrates the rod at a natural frequency. Once the rod comes in contact with the material, the vibration will be damped and the switch will change its state. Once the rod is uncovered by the material, the switch will revert to its normal state. Best for silo or hopper applications, its probe design allows for self-cleaning, ensuring no build-up or bridging of material and accurate detection. Sensitivity is adjustable for detection ranging from large granular material to small powders with low bulk densities. The failsafe mode can be set for failure on high level or failure on low level using a selector switch in instrument.



Silent Features :

- Compact size with integral electronics.
- No calibration required, so plug and play device.
- No moving parts. Minimum maintenance.
- Universal Power supply for AC / DC operation.
- Field Selectable fail-safe mode.
- LED indicators for status, alarm and normal operation.
- Selectable Density setting and switching delay.

Applications :

Flakes, Grains, Coal Powder, cereals, sugar, animal feed, milk powder, flour, insulation, cement, plastic granules, saw dust, wood chips carbon black, light fibres, detergent powders, dyes, chalk, silica, etc.

Technical Specifications :

Power Supply	24 VDC / 230 VAC (Factory Selectable)
Power Consumption	3VA Max.
O/P Contact Rating	5A,230VAC DPDT Relay 50 Hz.
Resonant frequency	250 Hz
Sensitivity	Field selectable for Low, medium and High-density liquids.
LED Indication	LED Indication for Normal Running & Alarm condition.
Operating Temperature	-10 to 180°C with Standoff
Operating Pressure	10 Bar
Probe Length	Std. 250 mm / Extra as per requirement.
Fork MOC	SS 304 / SS316
Process Conn. Type	Standard 1 ½" BSP Male
Process Conn. MOC	SS 304 / SS316
Enclosure	Cast Al WP IP68

Model Identification :

VRLS -

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1. Length in mm

2. Probe Material

SS304	4
SS 316	6

3. Process Connection

Threaded 1 ½" BSP Male	S
Flanged 2" ASA150#	R
Other	O

4. Standoff Material

Without	W
CS	C
SS 304	S

