

## Vibe - Capacitance Level Switch

Version 1.0

Vibe is a micro-controller based compact capacitance level limit switch. The new pipe shaped electronics makes it very easy to install and calibrate. The design is much suited for compact hopper, mixing vessels and pipes. It is suitable for powders, solids and Granules.

### Principle

Vibe works on the principle of capacitance. The probe comprises a sense electrode, electrically isolated from the metallic tank using a suitable insulator. The sense and the vessel wall serve as the two electrodes of a capacitor with the service material acting as the dielectric. A change in the level of material causes a change in the dielectric, which in turn causes the value of this tank capacitor to change.



### Features

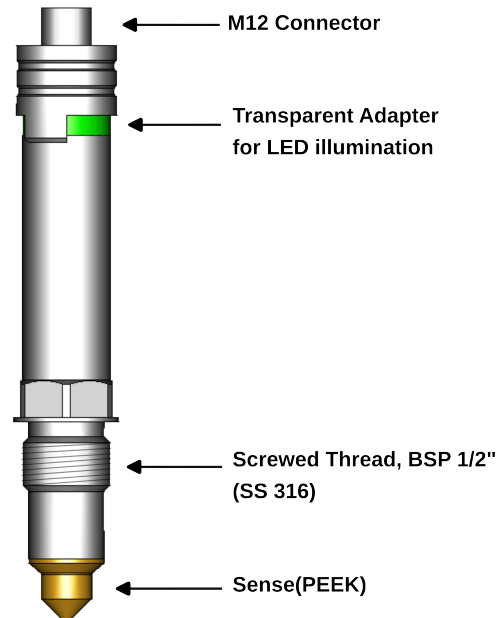
- DC Power Supply 18-30V DC
- Compact size, easy to install
- Output options: PNP open collector
- Multicolor LED switch indicator
- Failsafe Operation
- Electric connection : M12 4PIN

### Technical Specifications

- Output :** PNP (Voltage drop Max 2.5V)
- Power Supply :** 18-30V DC
- Electrical Connection :** M12 Connector
- Process Temperature :** 0° to 100°C
- Wetted Parts :** SS316 and PEEK
- Process Connection :** G 1/2
- Delay Time :** 1-25 sec.
- Process Class :** IP67
- Probe Length :** 48 mm , 100 mm
- Process Pressure :** Up to 15 bar
- Reverse Polarity Protection:** Yes

### Applications

- Pharmaceutical
- Packaging
- Man-made Fibre
- Grain Handling
- Poultry & Cattle Feed



Manufacturing Level Instruments & Speed Monitoring Systems

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