

Vibration Type Level Switch for Liquid and Solid

MODEL:SWING Series



MODEL:HVPS Series



INTRODUCTION

VEGASWING, the vibrating sensor which uses tuning fork technology, finds almost universal applications in industrial liquid level switching, and offers the choice of four output options from compact electronics.

Innovative design has produced several practical, user-orientated features, such as the 'universal' power input and modular electronics incorporating self-diagnostics. Attention to quality in design and production has created a level switch of unparalleled sensitivity and reliability, even for 'heavy-duty' installations.

SPECIFICATIONS

- Power source: 20~250VAC, 20~250VDC
- Power consumption: Max. 3N
- Output:
 - Relay output/1 × SPDT
 - Transistor output
 - Non-contact switch
- Viscosity range: 0.2~10,000mPas
- Density range: 0.7~2.5g/m³
- Protection: IP66

OPERATING PRINCIPLE

The piezo-electrically stimulated oscillating probe vibrates at its mechanical frequency of resonance of 125Hz. If the probe is covered by the bulk material, the damping thus generated is registered electronically and a corresponding signal output is actuated.

The oscillation of the device ensures that it features certain self-cleaning properties.

The device is used for level detecting in all types of containers and silos, it can be used with all powdery and granulated bulk materials that do not show a strong propensity to form crusts or deposits.

STANDARD SPECIFICATIONS

- Material : - Housing:ADC
- Connector:SUS304
- Tuning fork:SUS304
- Max. Pressure : 16bar
- Max. Temp. : 200 °C
- Enclosure : IP65
- Main voltage : AC 230V / AC115V / DC24V
- Installed load : Max. 1A(Relay)
- Output : 1 × SPDT
- Min. Powder density : Approx. 30g/L
- Cable gland : PG 13.5

Model number code system

