Leve Swittenes

Vibration Type Level Switch for Liquid and Solid

MODEL: SWING Series



MODEL: HVPS Series



Model number code system

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 prove 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 ℃
- Enclosure : IP65
- Main voltage: AC 230V / AC115V / DC24V
- Installed load : Max. 1A(Relay)
- Output : $1 \times SPDT$
- Min. Powder density : Approx. 30g/L
- Cable gland: PG 13.5

HVPS -]-[
Symbol of Vibration Type Level Switch				Option L : Locking de Finclosure	evice
Shape of vibration October 1				W : Weather proof(IP56) E : Explosion proof-/IP56/Exd C	; T6
2030 : Extension probe(up to 4M) 2050 : Extension cable(up to 20M)				• Ext. length (Applied To 2030, 2050 Type)	
Connection size			Product temp	1 : 250~499mm	
TF : PF 1 1/2"Thread TT : PT 1 1/2"Thread	FC : ANS	SI 300# 2*RF	NT : Up to 100℃ HT : Up to 150℃	3:1000~1999mm 6:10000~20000mm	
FA : JIS 10K 50A FF/ANSI 150# 2 RF FB : JIS 10K 80A FF/ANSI 150# 3 RF		SI 300# 3 [*] RF ler size	AT : Up to 200°C(With air cooling device)		
	FF . Ulli	ICI 312C			-

