





# SHANGHAI XINGSHEN INSTRUMENT CO.,LTD

FAX: +86-21-58309955

E-mail: 8800@vip.163.com

### SVK-200 系列振杆式物位开关 **SVK-200 SERIES VIBRATING LEVEL SWITCH**

#### 概述 INTRODUCTION

振杆式物位开关是一种新颖的物位控制器,适用于 对各种容器内的液体、混合液、粘性体的液位控制以 及油和水等界面控制和粉末体、颗粒体的料位控制和 报警。仪表的光滑圆形探头,能有效防止夹料和粘 料;在挂料较多的情况下,仍能稳定工作;仪表不受 被测物料电性质的影响,安装后无须调整,即可稳定 投入使用; 仪表采用15A大容量接点继电器开关, 可直 接实行对电动机控制。

Vibrating level switch is a kind of new style switch, and be used to level control or alarm for liquids, mixed liquids, viscous liquids and oil/water interfaces, as well as powder and granular. The polished round probe can effectively prevent product building up and adhering. When buildup is quite more, the instrument still operate stably. And the instrument is not effected by measured medium electric properties, and can work well directly dispensing with adjustment after installation. A 15A large capacity contact relay is used to control electromotor directly.

#### 主要技术参数

#### MAIN TECHNICAL PARAMETER

源 power supply: 220V/105V AC50/60Hz 消耗功率 power consumption 2VA 振动频率 vibrating frequency: 280Hz 工作压力 operating pressure: 2MPa 工作温度 operating temperature.

探头部分probe: -30~150℃ 电子部分electrics: -30~70℃

探头长度 probe length.

SVK-210标准型standard: 189mm

SVK-220加长型extended: 250~5000mm

接点容量 contact capacity: 250V 10A AC, 30V 5A DC 延迟时间 delayed time.

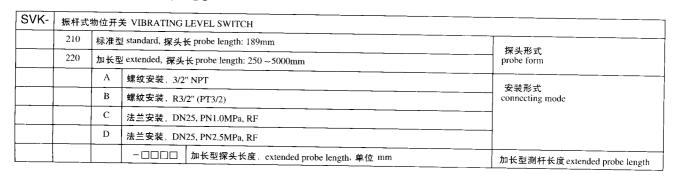
测出(由振动到停止)act: 0.5s 复原(由停止到振动)recover. 1s

开关功能 switch function: 常开NO或常闭NC

材 质 material: 探头probe: 0Cr18Ni9(304)

控制盒control box: ADC (表面喷塑)

## 型号规格 MODEL AND SPEC





安装形式 connecting mode.

螺纹thread: 3/2" NPT, R3/2" (PT3/2) 法 兰flange: DN25, PN1.0或PN2.5, 凸面

### 结构原理 STRUCTURE PRINCIPLE

振杆式物位控制器由振动杆组件和电子线路组件组 成。仪表运用音叉的"共振"原理,振动杆和内置的 振动棒构成280Hz振频的"音叉"共振探头, 在压电元 件的驱动下,发生振动。当探头触及被测物料时,振 动幅 度急剧减小,由此转化为电子信号,使继电器进 行开关动作。

Vibrating level switch is composed of vibrating probe part and electric circuit module. It operates on principle of resonance of tuning fork: vibrating pole and built-in vibrating stick form a frequency 280Hz tuning fork probe, resonance occurs actuated by piezoelectricity element. When probe touches measured product, the vibrating scope reduces rapidly, so electric signal is converted to drive relay.