

## Level Monitor for Bulk Media



measuring  
•  
monitoring  
•  
analyzing

NSV

ATEX 



- Lengths up to 118"
- No Calibration Needed
- Insensitive to Moisture
- Suitable for Low Bulk Densities
- 303 Stainless Steel Fork
- ATEX Approval Available



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**Description**

The KOBOLD Level Switch model NSV excels in low density bulk media and is easy to maintain. It detects level via vibration technology. The vibrations are induced into a stainless steel fork by a piezoelectric crystal. When the media contacts the fork and dampens the vibration, it is detected and then transformed into a potential-free limit contact. In addition to the standard model NSV-8200, the model NSV-8201 offers vertical installation via an extended neck pipe up to 118". The sensitivity can be set for maximum or minimum via a selector switch. The status of the switch is indicated by an LED light.

**Example Media**

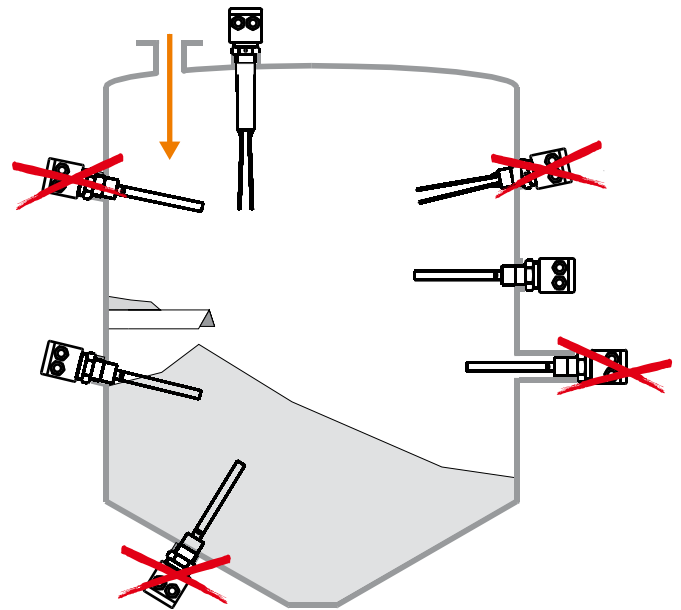
- Grain
- Plastic Granules
- Cement
- Flour
- Sugar
- Animal Food



**Specifications**

<b>Max. Immersion Length:</b>	118" (NSV-8201)
<b>Media Temperature:</b>	-4...176 °F
<b>Ambient Temperature:</b>	-4...140 °F
<b>Minimum Density of Media:</b>	3.75 lb/ft <sup>3</sup>
<b>Fork Material:</b>	303 Stainless Steel
<b>Housing Material:</b>	Polycarbonate
	350° Rotatable
<b>Fitting:</b>	1-1/2" NPT or G 1-1/2, 303 SS
<b>Electrical Connection:</b>	Via 1 (2) Cable Gland
<b>Supply Voltage:</b>	24, 110, 230 V <sub>AC</sub> 50/60 Hz or 18...36 V <sub>DC</sub>
<b>Maximum Power Input:</b>	1 VA
<b>Relay Output:</b>	Max. 250 V <sub>AC</sub> , 1A
<b>Protection:</b>	IP 65
<b>ATEX:</b>	II 1/2 D Ex tD A20/21 IP65 T85°C -20°C ≤ Ta ≤ +60°C

**Installation Positions**



**Order Details** (Example: **NSV-8200N804**)

Model	Version	Connection	Approval	Supply Voltage
NSV-	..8200.. = Standard	..N8.. = 1-1/2" NPT	..0.. = Without	..0 = 230 VAC
	..8201.. = Extended Length (up to 118") (specify length)	..G8.. = G 1-1/2	..E.. = ATEX	..2 = 24 VAC ..3 = 18...36 VDC ..4 = 110 VAC

**Dimensions (mm)**

