

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



Order from: **C A Briggs Company**
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KOBOLD Instruments, Inc.
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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.



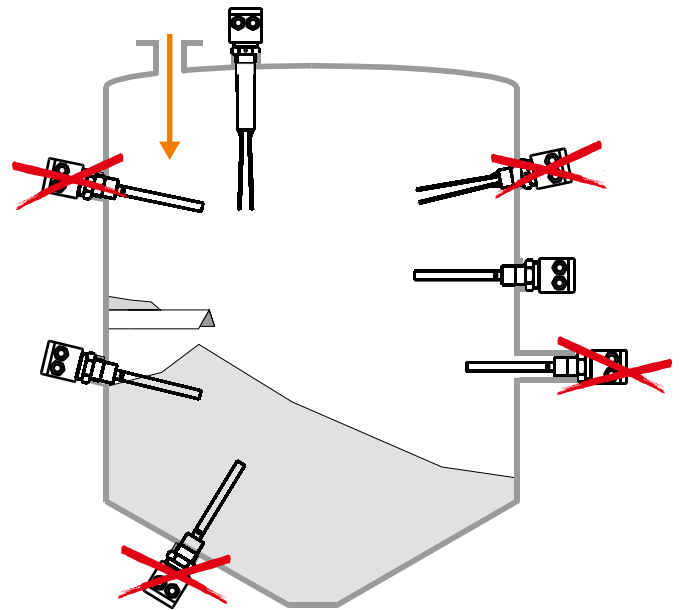
Example Media

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

Specifications

Max. Immersion Length:	118" (NSV-8201)
Media Temperature:	-4...176 °F
Ambient Temperature:	-4...140 °F
Minimum Density of Media:	3.75 lb/ft ³
Fork Material:	303 Stainless Steel
Housing Material:	Polycarbonate
	350° Rotatable
Fitting:	1-1/2" NPT or G 1-1/2, 303 SS
Electrical Connection:	Via 1 (2) Cable Gland
Supply Voltage:	24, 110, 230 V _{AC} 50/60 Hz or 18...36 V _{DC}
Maximum Power Input:	1 VA
Relay Output:	Max. 250 V _{AC} , 1A
Protection:	IP 65
ATEX:	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)

