



# Vibranivo® 2000 / 6000

## Vibration level limit switch

The universal unit for reliable level monitoring of granulated and powdered bulk goods – versatile, especially suitable for light media; certified for hazardous locations (gas and dust); complies with NAMUR standard



# Vibranivo® 2000 / 6000



- Modular and simple design
- Suitable for virtually all bulk goods
- Absolutely maintenance-free

**Application:** Vibranivo® probes can be used as full, demand or empty detectors in bulk good silos. They are especially suited for use in all fine grain and powdered solids, including very light materials with a density below 5g/l. Vibranivo® vibration forks are available with international certificates for applications in hazardous locations (gas and dust).

## Types of Vibranivo demand, full and empty detectors:

### Vibranivo® ..020

Short extension length, vertical, horizontal and oblique installation



### Vibranivo® ..030

Design with pipe extension, vertical and oblique installation



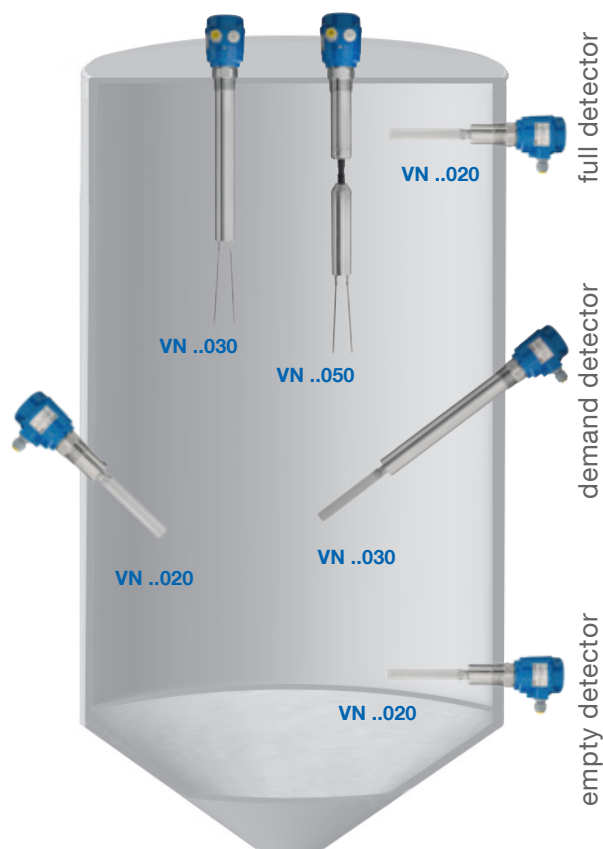
### Vibranivo® ..040

Delivery without pipe extension (reduced shipping costs, flexible length), vertical and oblique installation



### Vibranivo® ..050

Model with cable extension, vertical installation up to 20m measuring range



## Technical Data

<b>Housing</b>	Aluminium IP 66 / NEMA Type 4X		
<b>Pressure range</b>	-1 up to +16 bar (-14.5 up to +145 psi)		
<b>Supply voltage/Signal output</b>	Relay SPDT	19..230V AC, 19..55V DC,	
	Relay DPDT	19..230V AC, 19..36V/55V DC	
	PNP	18..50V DC 3-wire,	
	2-wire without contact	19..230V AC/DC	
	NAMUR	IEC 60947-5-6 2-wire	
<b>Versions with certificates</b>		8/16mA; 4-20mA	12,5-30/36V DC 2-wire
	ATEX, IEC-Ex, FM / CSA, TR-CU, INMETRO, CCC-Ex, KCs		
	(Dust explosion-proof, Flameproof, Intrinsically safe, Increased safety)		
<b>Process temperature</b>	-40°C up to +150°C		
	(-40°F up to + 302°F)		
<b>Sensitivity</b>	from 5g/l (0.3lb/ft³) adjustable in 2 steps		
<b>Process connection</b>	R 1½" conical; NPT 1½";		
	various flanges available		
<b>Vibration fork/extension</b>	Stainless steel 1.4301 (SS304) or 1.4404 (SS316L), various lengths available		

## Housing types

**VN 2000**  
Standard



**VN 6000**  
Standard



**VN 6000**  
Flameproof



**VN 6000**  
Flameproof, Intrinsically safe



## Vibrasil®-probe for Silicic acid

For very light and pneumatically conveyed solids. This specially designed Vibranivo vibration fork with enhanced sensitivity and an immediate switching reaction provides perfect measuring results e.g in fluidized silica with a **bulk density less than 5g/l.**

**Vibranivo®**  
**Vibrasil® 70**



**Vibranivo®**  
**Vibrasil® 90**

