



# 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



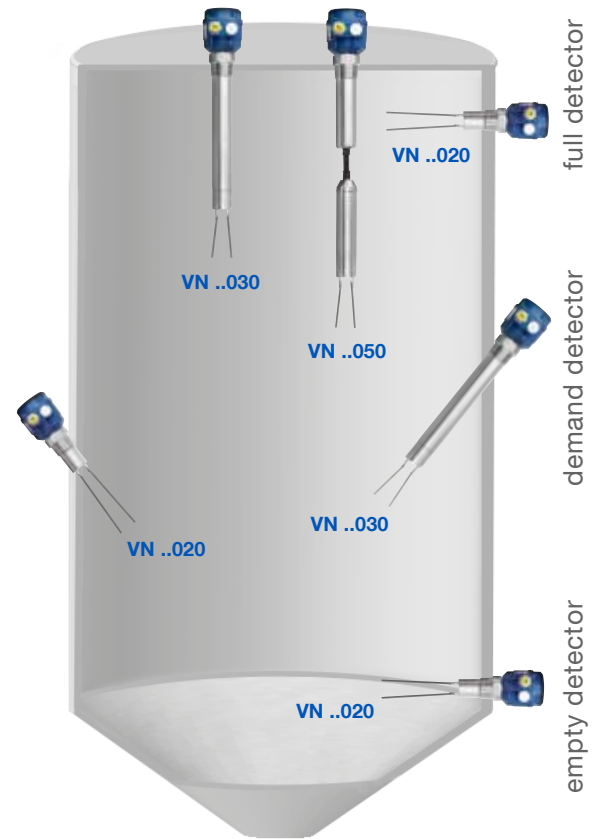
### Vibranivo ..040

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
	8/16mA; 4-20mA	12,5-30/36V DC 2-wire
<b>Certificates</b>	ATEX II 1D and 1/2D ATEX II 1G and 1/2G EEx ia IIC ATEX II 2G EEx de [ia] II C, EEx d [ia] II C FM Cl. I, II, III, Div.1 Gr. A-G; Zone 0 CSA Cl. I, II, III Div.1 Gr. A-G; Zone 0 TR-CU, IEC Ex, EHEDG	
<b>Process temperature</b>	-40°C up to +150°C (-40°F up to + 302°F)	
<b>Sensitivity</b>	from 5g/l (0.3lb/ft <sup>3</sup> ) adjustable in 2 steps	
<b>Process connection</b>	R1½" conical; NPT 1½"; flange DN100 PN6 and DN100 PN16; various flanges available	
<b>Vibration fork/extension</b>	Stainless steel 1.4301 (SS304) or 1.4404 (SS316L), various lengths	

## Housing types



## 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

Specially for flow control in material with a high percentage of air (extremely low bulk density)



### Vibranivo Vibrasil 90

Level limit switch for all kinds of silicic acid containers (low bulk density)

