



# Vibranivo® 1000 / 5000

## Vibration level limit switch

The universal unit for reliable level monitoring of granulated and powdered bulk goods – versatile, suitable especially for applications with high mechanical loading and measurement of bulk goods in liquids; certified for hazardous locations (gas and dust)



# Vibranivo® 1000 / 5000



- Modular and simple design
- For applications with high mechanical loading
- Particularly suitable for interface measurement
- 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 solids which are conveyed or stored under extreme conditions as well as for interface measurement. The short fork design allows mounting in containers with very limited space. 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



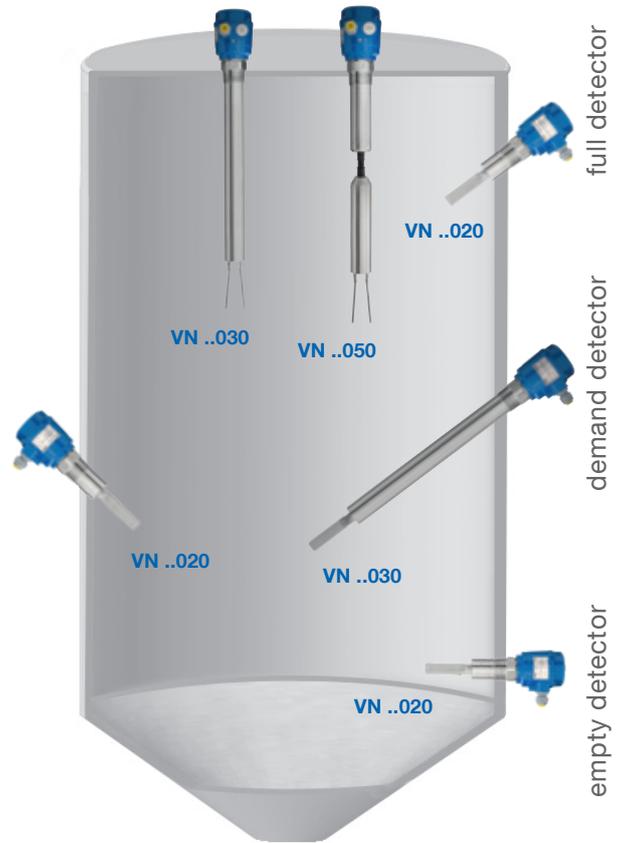
### Vibranivo ..040

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



### Vibranivo ..050

Model with cable extension, vertical installation up to 7m measuring range



## Technical Data

<b>Housing</b>	Aluminium IP66 / 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
	8/16mA; 4-20mA	12,5-30/36V DC 2-wire
<b>Versions with certificates</b>	ATEX II 1/2D ATEX II 1G and 1/2G Ex ia IIC ATEX II 2G Ex de [ia] IIC, Ex d [ia] IIC 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 INMETRO	
<b>Process temperature</b>	-40°C up to +150°C (-40°F up to + 302°F)	
<b>Sensitivity</b>	From 50g/l (3lb/ft <sup>3</sup> ) 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



## Installation

Mounting in downpipe as back up switch

Mounting in loading bellow as full detector

