



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



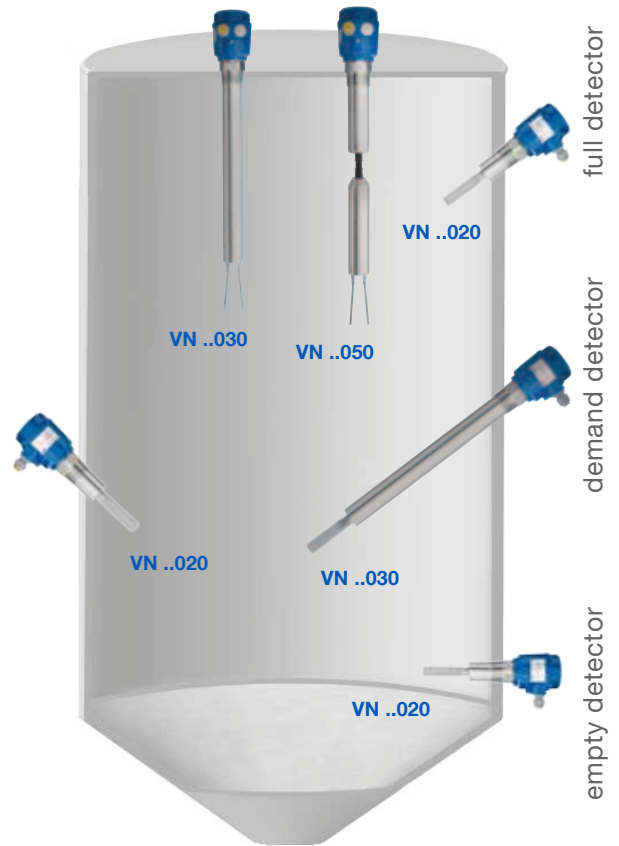
Vibranivo ..040

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

Housing	Aluminium IP66 / NEMA Type 4X	
Pressure range	-1 up to +16 bar (-14.5 up to +145 psi)	
Supply voltage/Signal output	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
Versions with certificates	ATEX II 1D and 1/2D ATEX II 1G and 1/2G EEx ia IIC ATEX II 2G EEx de [ia] IIC, EEx 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, EHEDG	
Process temperature	-40°C up to +150°C (-40°F up to +302°F)	
Sensitivity	From 50g/l (3lb/ft ³) adjustable in 2 steps	
Process connection	R1½" conical; NPT 1½"; various flanges available	
Vibration fork/extension	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

