



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



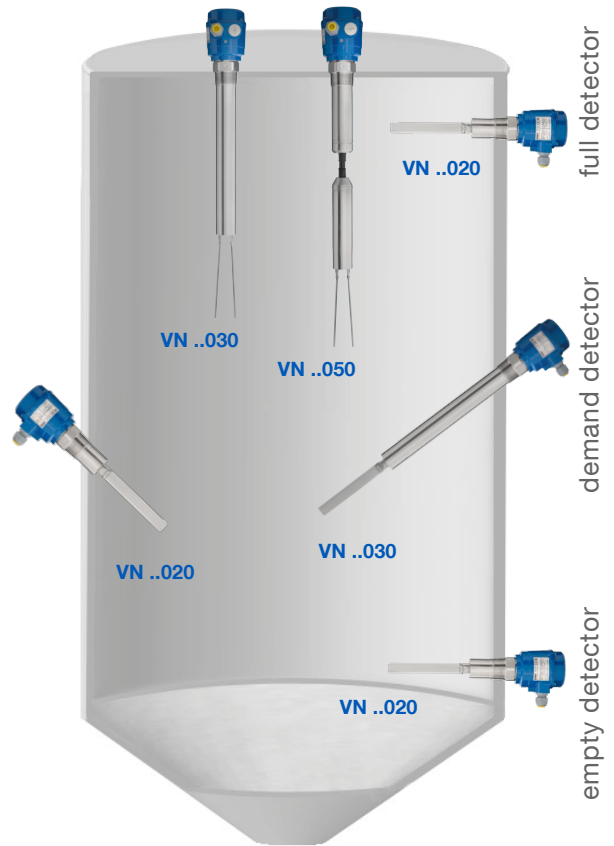
Vibranivo ..040

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

Housing	Aluminium IP 66 / 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 NAMUR IEC 60947-5-6 2-wire 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
Process temperature	-40°C up to +150°C (-40°F up to + 302°F)
Sensitivity	from 5g/l (0.3lb/ft³) adjustable in 2 steps
Process connection	R 1½" conical; NPT 1½"; various flanges available
Vibration fork/ extension	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

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)