



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

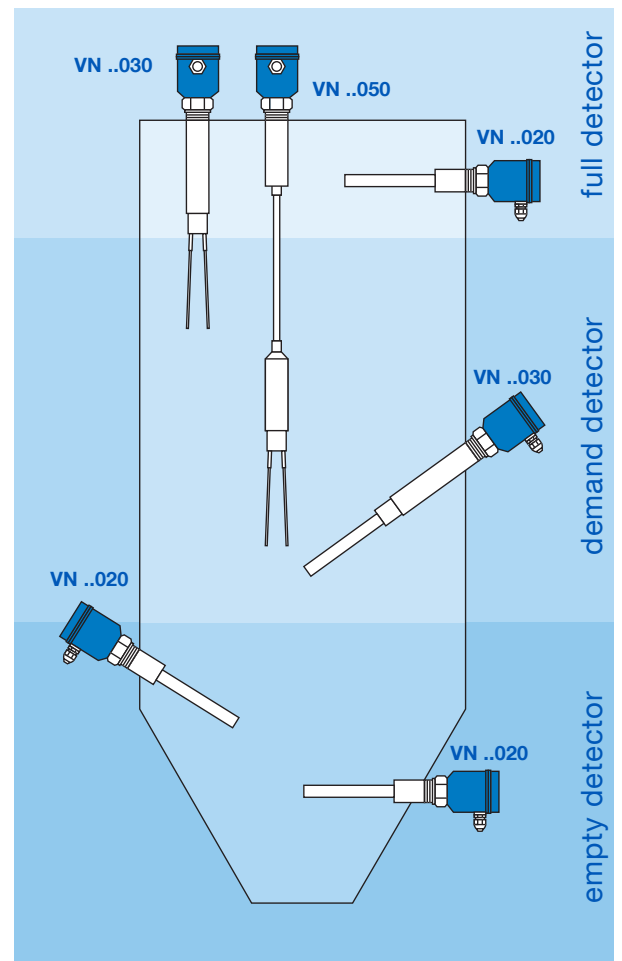


- Modular and simple design
- Suitable for virtually all bulk goods
- Absolutely maintenance-free

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:

<p>Vibranivo ..020 Short extension length, vertical, horizontal and oblique installation</p> 	<p>Vibranivo ..030 Design with pipe extension, vertical and oblique installation</p> 	<p>Vibranivo ..040 Delivery without pipe extension (reduced shipping costs, flexible length), vertical and oblique installation</p> 	<p>Vibranivo ..050 Model with cable extension, vertical installation up to 20m measuring range</p> 
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Technical Data															
Housing	Aluminium IP 66 / NEMA Type 4														
Pressure range	-1 up to +16bar (-14.5 up to +145psi)														
Supply voltage/Signal output	<table border="0"> <tr> <td>Relay SPDT</td> <td>19..230V AC, 19..55V DC,</td> </tr> <tr> <td>Relay DPDT</td> <td>19..230V AC, 19..36V/55V DC</td> </tr> <tr> <td>PNP</td> <td>18..50V DC 3-wire,</td> </tr> <tr> <td>2-wire</td> <td></td> </tr> <tr> <td>without contact</td> <td>10..230V AC/DC</td> </tr> <tr> <td>NAMUR</td> <td>IEC 60947-5-6 2-wire</td> </tr> <tr> <td>8/16mA</td> <td>12,5-30/36V DC 2-wire</td> </tr> </table>	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	10..230V AC/DC	NAMUR	IEC 60947-5-6 2-wire	8/16mA	12,5-30/36V DC 2-wire
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Certificates	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 GOST-Ex, RTN Ex, IEC Ex, EHEDG														
Process temperature	-40°C up to +150°C (-40°F up to + 302°F)														
Sensitivity	from below 5g/l (0.3lb/ft ³) adjustable in 2 steps														
Process connection	R1½ inch conical; NPT 1½ inch; flange DN100 PN6 and DN100 PN16; other flanges on request														
Vibration fork/extension	Stainless steel 1.4301 (SS304) or 1.4571 (SS316), various lengths														

Housing types

VN 2000 Standard	VN 6000 Standard	VN 6000 Flameproof	VN 6000 Flameproof, intrinsically safe
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Vibrasil®-probe for Silicic acid

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

<p>Vibranivo Vibrasil 70 Specially for flow control in material with a high percentage of air (extremely low bulk density)</p> 	<p>Vibranivo Vibrasil 90 Level limit switch for all kinds of silicic acid containers (low bulk density)</p> 
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