



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; certified for hazardous locations (gas and dust)



Vibranivo® 1000 / 5000

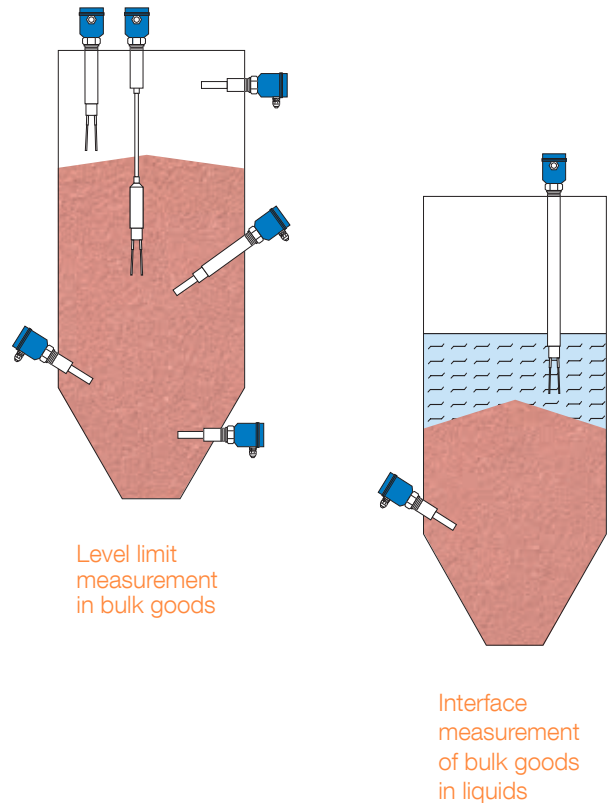


- Modular and simple design
- For applications with high mechanical loading
- Absolutely maintenance free

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. 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 flanges:


<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 7m measuring range</p> 
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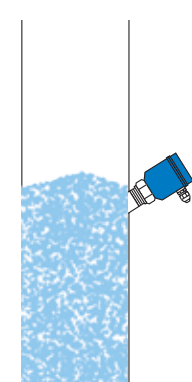
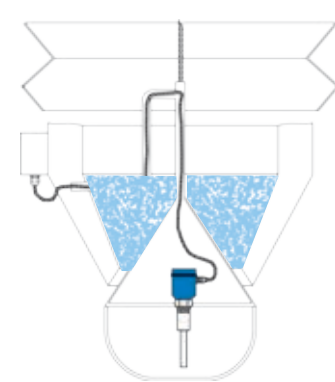
Technical Data													
Housing	Aluminium IP66 / NEMA Type 4												
Pressure range	-1 up to +16bar (-14.5 up to +145psi)												
Supply voltage/ Signal output DC	<table border="0"> <tr> <td>Relay SPDT</td> <td>19..230V AC, 19..55V DC,</td> </tr> <tr> <td>Relay DPDT</td> <td>19..230V AC, 19..36V/55V</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>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	PNP	18..50V DC 3-wire,	2-wire		without contact	10..230V AC/DC	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 [ja] II C, EEx d [ja] 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 range	-40°C up to +150°C (-40°F up to + 302°F)												
Sensitivity	from 50g/l (0.3lb/ft³) 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 1000 Standard	VN 5000 Standard	VN 5000 Flameproof	VN 5000 Flameproof, intrinsically safe
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Installation

<p>Mounting in downpipe as back up switch</p> 	<p>Mounting in loading bellow as full detector</p> 
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