

UWT

LEVEL. UP TO THE MAX.



6 YEARS
GUARANTEE
APPROVED
QUALITY

Vibranivo® 1000 / 5000

VIBRATING FORK LEVEL SWITCH

Vibranivo® probes 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® 1000 / 5000



- Modular and simple design
- For applications with high mechanical loading
- Particularly suitable for interface measurement
- Absolutely maintenance free

Types of Vibranivo demand, full and empty detectors

VN ..020
Short, vertical, horizontal and oblique installation



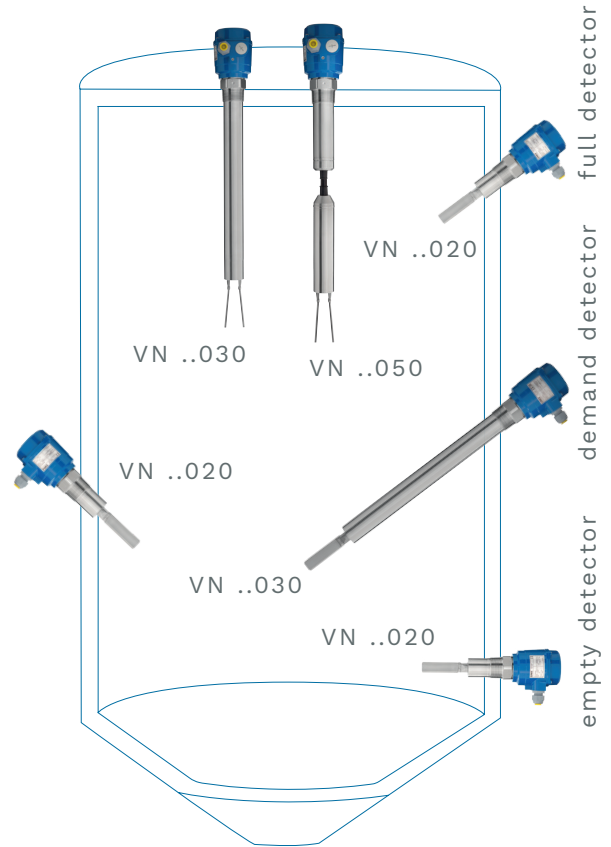
VN ..030
Pipe, vertical and oblique installation



VN ..040
Delivery with-out pipe extension (reduced shipping costs, flexible length), vertical and oblique installation



VN ..050
Cable, vertical installation up to 7 m measuring range



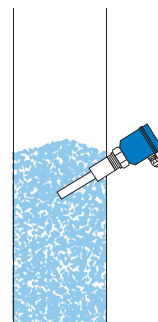
Housing types

VN 1000 Standard VN 5000 Standard VN 5000 Flameproof VN 5000 Flameproof, Intrinsically safe

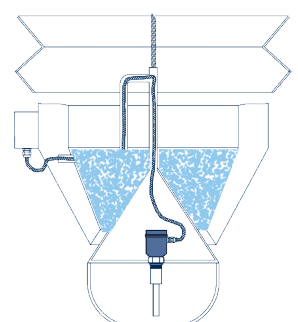


Use in limited spaces

Mounting in downpipe as back up switch



Mounting in loading bellow as full detector



TECHNICAL DATA

Housing	Aluminium IP66 / NEMA Type 4X
Pressure range	-1 .. +16 bar (-14.5 .. +145 psi)
Supply voltage/ Signal output	Relay SPDT 19..230 V AC, 19..55 V DC Relay DPDT 19..230 V AC, 19..36 V / 55 V DC PNP 18..50 V DC 3-wire 2-wire without contact 19..230 V AC/DC 8/16 mA; 4-20 mA 12,5-30/36 V DC 2-wire
Versions with certificates	ATEX, IEC-Ex, FM / CSA, TR-CU, INMETRO, UKEX, CCC-Ex, KCs (Dust explosion-proof, Flameproof, Intrinsically safe, Increased safety)
Process temperature	-40 °C .. +150 °C (-40 °F .. + 302 °F)
Sensitivity	From 50 g/l (3 lb/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

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Vibranivo® 2000 / 6000

VIBRATING FORK LEVEL SWITCH

Vibranivo® probes are especially suited for use in all fine grain and powdered solids, including very light materials with a density below 5 g/L.



Vibranivo® 2000 / 6000



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

Types of Vibranivo demand, full and empty detectors

VN ..020
Short, vertical, horizontal and oblique installation



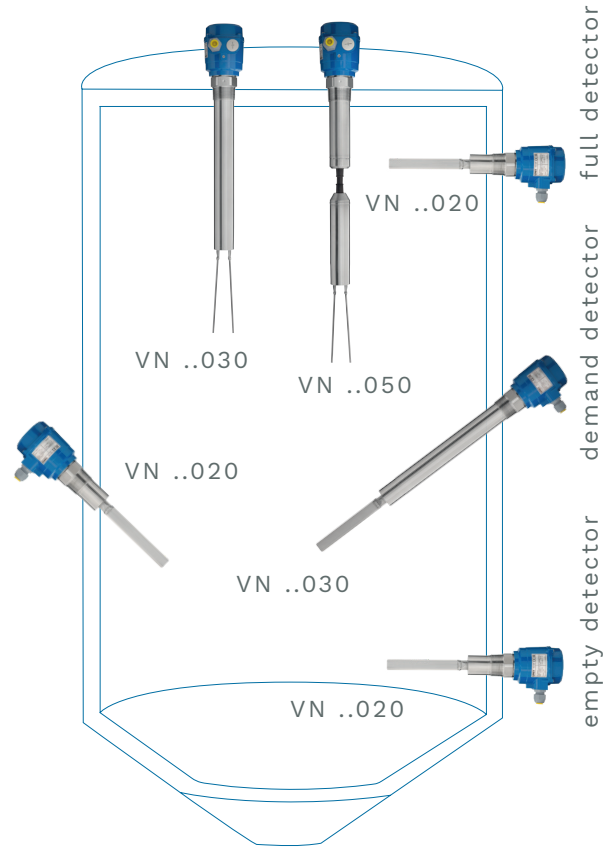
VN ..030
Pipe, vertical and oblique installation



VN ..040
Delivery with-out pipe extension (reduced shipping costs, flexible length), vertical and oblique installation



VN ..050
Cable, vertical installation up to 7 m measuring range



TECHNICAL DATA

Housing	Aluminium IP 66 / NEMA Type 4X
Pressure range	-1 .. +16 bar (-14.5 .. +145 psi)
Supply voltage/ Signal output	Relay SPDT 19..230 V AC, 19..55 V DC, Relay DPDT 19..230 V AC, 19..36 V / 55 V DC PNP 18..50 V DC 3-wire, 2-wire without contact 19..230 V AC/DC NAMUR IEC 60947-5-6 2-wire 8/16 mA; 4-20 mA 12,5-30/36 V DC 2-wire
Versions with certificates	ATEX, IEC-Ex, FM / CSA, TR-CU, INMETRO, UKEX, CCC-Ex, KCs (Dust explosion-proof, Flameproof, Intrinsically safe, Increased safety)
Process temperature	-40 °C .. +150 °C (-40 °F .. +302 °F)
Sensitivity	from 5 g/l (0.3 lb/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

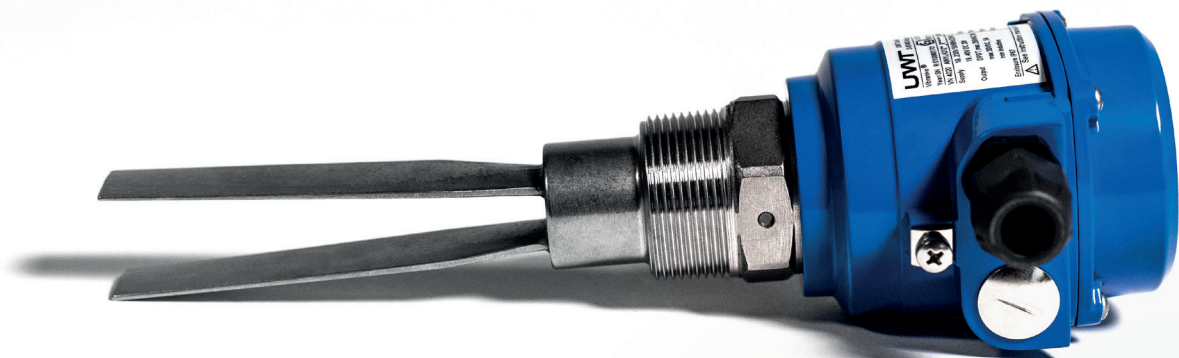


Vibrasil® probe for Silicic acid
For very light and pneumatically conveyed solids. This specially designed Vibranivo vibration fork with enhanced sensitivity and an immediate switching reaction provides perfect measuring results e.g in fluidized silica with a bulk density less than 5 g/l.



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Vibranivo® 4000

VIBRATING FORK LEVEL SWITCH

The economic solution for reliable level monitoring of bulk goods.

Versatile and maintenance-free. Certified for hazardous locations (dust).



Vibranivo® 4000

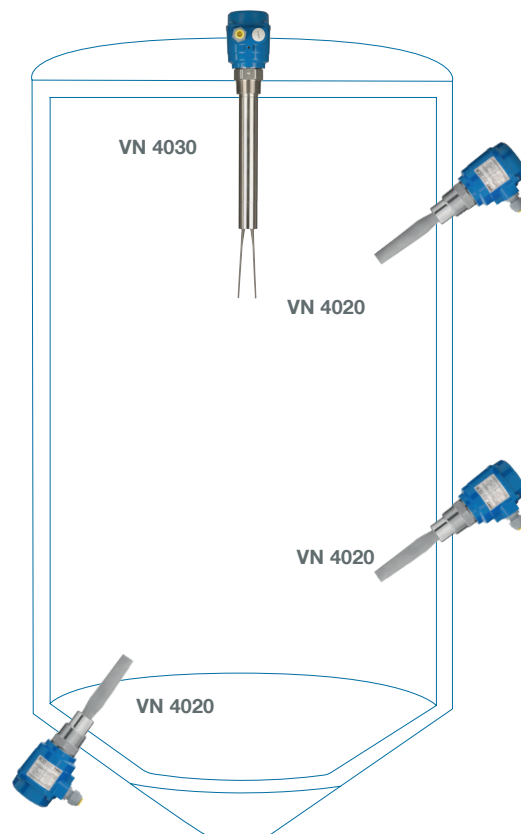


- Sensational price-performance ratio
- Wide range of applications
- Maintenance-free

VN 4020
Full, demand,
empty detector
Installation
vertical,
horizontal and
oblique, also in
limited spaces
(e.g. down-
pipes)

VN 4030
Full, demand,
empty detector
Design with
extension
tube, vertical
installation,
sliding sleeve
option

VN 4040
Full, demand,
empty detector
Delivery without pipe
extension (reduced
shipping costs,
flexible length),
vertical and
oblique installation



empty detector demand detector full detector

TECHNICAL DATA

Housing	Aluminium IP 67 / NEMA Type 4X
Certificates	ATEX, IEC-Ex, FM / CSA, TR-CU, UKEX, CCC-Ex, KCs (Dust explosion-proof)
Process temperature	-40 °C .. +150 °C (-40 °F .. +302 °F)
Pressure	-1 .. +16 bar (-14.5 .. +145 psi)
Sensitivity	Adjustable in 2 settings: 30 g/l (1.9 lb/ft ³) or 150 g/l (9.5 lb/ft ³)
Supply voltage	19-230 V AC, 19-40 V DC relay, 18-50 V DC PNP 3-wire
Process connection	R 1½" conical, NPT 1½" or NPT 1¼"
Vibration fork/ extension	Stainless steel 1.4581 (SS316) / 1.4301 (SS304) or 1.4404 (SS316L)