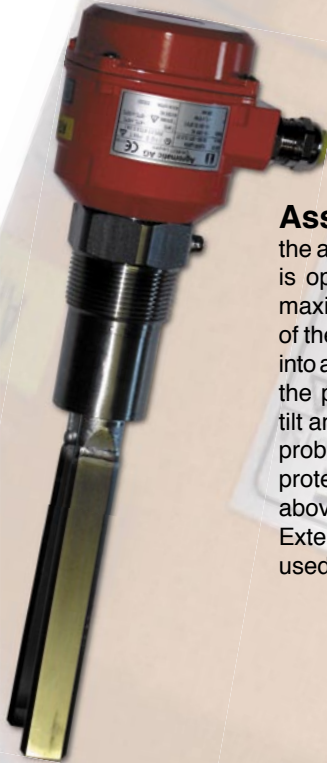


# Vibrationprobes Nivoswing-Serie

Vibration probe in modern construction as limit switch for difficult products such as powder, granulates, fluidized or sticky products.

Construction: product touching parts in acid-resistant special steel. Aluminium die-casted electronic housing, protectionclass IP66 for application in ATEX-range (zone 20).



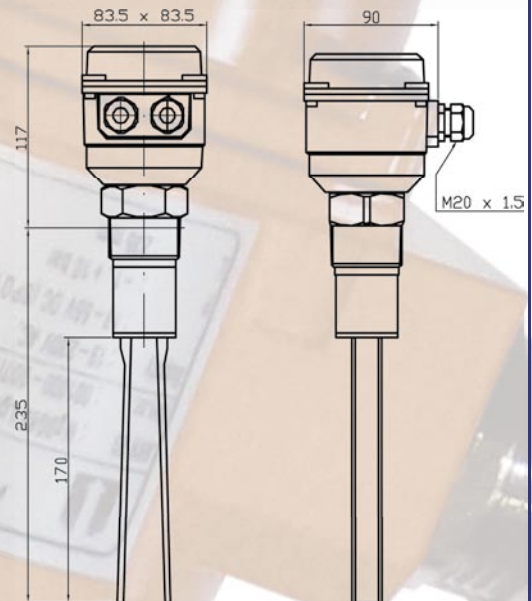
## Application:

especially for difficult products with a minimum density of > 20g/l

## Assembly:

the assembly of the vibration probe is optional. For the assembly the maximum allowed mechanical load of the bulk material has to be taken into account. With lateral installation the probe has to be installed in a tilt angle of 10 to 30 degrees. If the probe is used as empty indicator a protection plate should be mounted above the unit.

Extended constructions can only be used in vertical position.



Technical basic data:	
Classification	Nivoswing AVN2020
Insertion depth d	235mm
Connection voltage	19...55VDC / 19...230VAC 50-60Hz +10%
Power input	max 8VA / 1,5W
Vibration frequency approx.	125Hz
Pull-/Release time delay	ca. 1-2 Sec
Relaisoutput/loading capacity	AC max 252V, 4A, 500VA with cos Phi=1 / DC max 253V, 4A, 60W
Mechanical load vibrationrod	600N at side
Minimum bulk weight	approx. 20g/l switchable to 75g/l
Operating temperaturerange surrounding	-40°C...+60°C
Operating temperaturerange product	-40°C...+150°C for usage in ATEX-zones -40°C...+110°C
Protectionclass	IP66 (EN 60529), ATEX II 1D and 1/2 D, ATEX II1G and +/2G EEx ia IIC
Material vibrationrod	stainless steel 1.4301 (304) or 1.4571 (316TI)
Material electronic housing	aluminium, powdercoated RAL 2008 orange
Mounting screw joint	NPT 1 1/2" conical ANSI B 1.20.1 Triclamp
Operating pressure	10bar (145psi)
Scope of supply, weight	with 1 ATEX cable screwing, one blind plug, operatingmanual g/e, weight 1,6kg



## Agromatic AG



ATEX



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