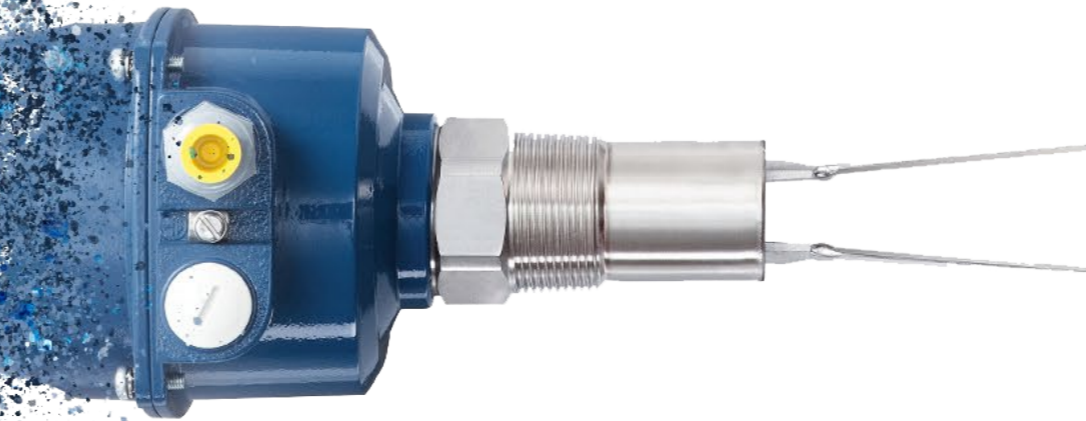# UWT
LEVEL CONTROL
Your partner for level measurement in solids & liquids

Vibranivo® - VN2000 Series | Vibration Level Switch
Point Level Detection in Filter Dust at 130° C

The Vibranivo® - vibrating fork for <u>point level measurement</u>, with its robust stainless steel extension and high sensitivity, is widely used in storage silos and process vessels. The Vibranivo® <u>vibration level switch</u> is robust, easy to operate and can, via its series range, be precisely configured for each application. Electronically stimulated piezos cause the fork to vibrate. As soon as the sensor is covered with material, the vibration is dampened and the resulting electrical current change causes the output signal to switch. Once the material level falls below the sensor, it is free to vibrate again and the output signal is reset.

International approvals for use in hazardous locations (gas and dust).

The Challenge

Our customer, a waste-to-energy plant, had the requirement to monitor the fill level in the filter feed of the coke filter. After certain emission standards changed, a coke filter had to be retrofitted in this plant 7 years ago. The temperature in the filter is approx. 130°C.

Our Solution

The vibrating fork probe VIBRANIVO VN2020 from UWT meets these difficult requirements in the power plant. In the temperature version, this fork is used up to a temperature of 150°C. The highly sensitive VN2020 reliably measures the filter dust from a bulk density of 5g/l. The system has only been working trouble-free since the UWT fork was used.

Optimal Product Solution

VN 2020
Full, Demand, Empty Detector
Short version

- Installation vertically, horizontally and at an angle in the tank
- Very compact from 235mm boom length
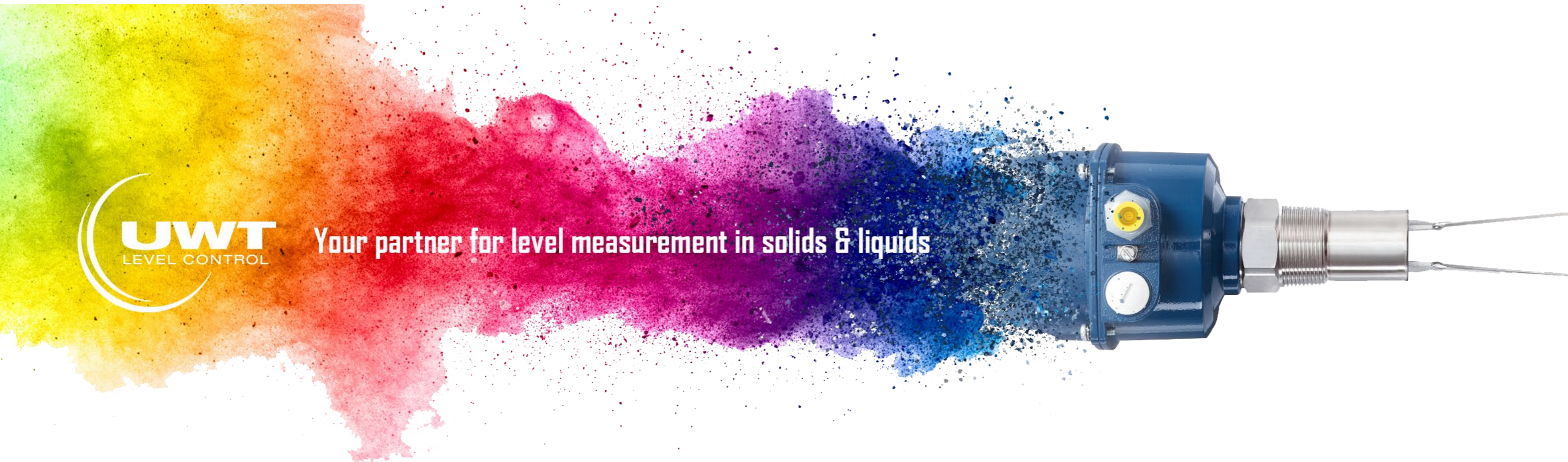- High sensitivity from 5g/l

Vibranivo®

Vibration Fork Point Level Switch

[Vibrating fork series for process solutions in different industries](#)

>> [Product Sheet](#)

>> [Technical Sheet](#)

>> [Vibranivo® Brochure](#)

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UWT LEVEL CONTROL — *Your partner for level measurement in solids & liquids*

Find the right level control product for *your* application

FIND PRODUCT

Application Area

The vibrating fork Vibranivo® VN 2020 is used in storage and process vessels as a full, demand, and empty detector in many dry and free flowing bulk solids. Due to its high sensitivity, the probe is particularly suitable for use in very light bulk solids. The high surface quality of the stainless steel probe also makes it ideal for use in applications with hygienic requirements.

Your Benefit

• Maintenance-free sensor for use in many bulk materials.

• Particularly suitable for very light bulk solids

• Extension is completely made of stainless steel

• Plug and play level limit switch without calibration