



# Vibration Level Switches / Sensors

Instrumentation – Level Measurements

## General Information

**Customer:** VEGA, Germany  
**Product:** Level Detection Sensor  
**Application:** Various Corrosive Media, High Temp.  
**Install Date:** 2006

## Problem

VEGA had tried a number of surface solutions for corrosion protection of their level detection forks. To avoid interaction with the measurement a thin layer solution (less than 0.1 mm) was needed to be operated at high temperatures (>200°C). Polymer based solution (e.g. PTFE) had so far been used but pinholes may appear at the needed layer thickness and the solution had limited temperature resistance.

## Solution

A **Tantaline JobShop** solution was made based on a stainless steel / Hastelloy design.

## Result

The new Tantaline / VEGA's solution made it possible to use the sensors up to 400°C in nearly any corrosive media.



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