**OPTISWITCH 5300 C: level switch for extreme process conditions**

* New vibration level switch for liquid applications
* For hot or cryogenic temperatures as well as high process pressure
* SIL2/3 compliant; various approvals for use in hazardous areas

**Text:**

Duisburg, February 26, 2016: With the new OPTISWITCH 5300 C, KROHNE presents a vibration level switch for liquids that can withstand extreme process conditions such as hot or cryogenic temperatures and high process pressure. The application area ranges from chemical or oil & gas related industries, marine (LNG) tankers to steam generation.

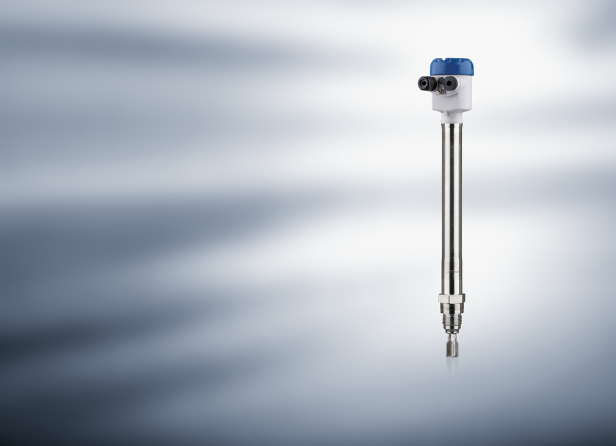
OPTISWITCH 5300 C provides overfill prevention, high/low level alarm, or dry run protection for pumps in liquid applications with a temperature range from -196…+450°C / -321…+842°F and pressure range from -1…160 barg / -14…2,320 psig. Insertion lengths are available up to 3 m / 9.8 ft with a wide variety of sensor materials and process connections. The wetted parts of OPTISWITCH 5300 C are made of Inconel Alloy 718 with 316L or Hastelloy C-22. Communication options include 2-wire 8/16 mA output, relay (DPDT) and transistor PNP/NPN electronics.

The new level switch features Ex, WHG (German Wasserhaushaltsgesetz), various ship approvals and fulfills the requirements for use in boilers and auxiliary installations according to EN 12952-11 (water tube boilers) and EN 12953-9 (shell boilers). OPTISWITCH 5300 C is designed for use in safety loops: as a single device for a single safety function (1oo1), it meets SIL2 architecture, in a homogenous redundant setup, it meets SIL 3 (1oo2) architecture.

The new switch adds to the KROHNE range of vibration level switches that provide accurate and reliable point level detection: the OPTISWITCH 4000 and OPTISWITCH 5000 series are designed for liquid applications, while the OPTISWITCH 3000 series is designed for use with solids.

About KROHNE: KROHNE is a full-service provider for process measuring technology for the measurement of flow, mass flow, level, pressure and temperature as well as analytical tasks. Founded in 1921 and headquartered in Duisburg, Germany, the company employs over 3,500 people all over the world and is present on all continents. KROHNE stands for innovation and maximum product quality and is one of the market leaders in industrial process measuring technology.

**Picture:**

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**Caption:** Vibration level switch OPTISWITCH 5300 C for extreme process conditions

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