



▶ **Minimal size,
many talents**

KROHNE

▶ *achieve more*

▶ **OPTISWITCH 6500 and 6600 –
The hygienic level switches**

Their remarkably small size makes the OPTISWITCH 6500 and 6600 a perfect fit for hygienic applications and any environments that call for minimally invasive sensors.

At the same time, these compact level switches are versatile and highly accurate. From high or low level alarms for liquids or solids, to dry-run protection and liquid-liquid interface detection, these sensors cover a lot of diverse applications. Even media with changed characteristics such as in a fermentation process present no challenge to these switches. Neither do sticky, crystallising media or environments with strong vibrations.

The extraordinary versatility of these switches makes them particularly appropriate for the food and beverage, pharmaceutical, transport, water and marine industries.



OPTISWITCH 6500 C and 6600 C



For hygienic and many other markets

Both, the stainless steel housing OPTISWITCH 6500 C and the OPTISWITCH 6600 C with minimised electronics in the sensor, offer a broad variety of hygienic connections. Their small insertion length of only 12 mm / 0.47" makes them ideally suitable, not only for the hygienic market but also for many other non-Ex applications in various industries and OEM-businesses.

Pulsed Width Modulation (PWM)

Measurements are made using sweep frequency technology. By modulating the bandwidth of the pulse, very small differences in media, e.g. a specific percentage of water in oil on a loading arm, can be detected and acted upon. PWM is unique to the OPTISWITCH 6500 / 6600.

Makes tuning forks obsolete

Unlike tuning forks, OPTISWITCH 6500 / 6600 microwave level switches can handle foam, crystallising, sticky or dust producing media and strong vibrations. Not only do they detect high or low levels, but also the interface and changed characteristics of a medium, e.g. in breweries. Their self-draining sensor tip and the absence of any moving parts makes them virtually maintenance-free.

Highlights

- High or low level alarm for liquids and solids (ϵ -value >1.5)
- One switch type for all media/functions
- Compact, and ideally suited for multiple hygienic and OEM-applications
- PWM (Pulsed Width Modulation) distinguishes between media with very similar characteristics
- Detects foam and interface
- Identifies a liquid and its changed characteristics, e.g. degree of water contamination
- Immune to build-up and crystallisation (self-draining sensor tip): virtually maintenance-free
- Available with stainless steel housing or with minimised electronics in sensor
- Minimum insertion length as small as 12 mm / 0.47"
- External LED alarm indicator
- No calibration required for standard level applications
- User-friendly configuration tool for more complex applications
- FDA-compliant and 3A-certified for hygienic markets
- Delivery within 10 working days

One level switch for all applications

No need to choose between switches for solids and liquids – OPTISWITCH 6500 / 6600 cover both in one switch.

The unit is able to:

- Track changed characteristics of media, e.g. fermentation processes in breweries
- Detect the interface between media with similar characteristics, e.g. soap/water
- Identify a specific liquid in a sewage line
- Detect the difference between foam and medium, e.g. ice-cream, yeast, beer
- Ignore crystallisation and build-up on the sensor tip, e.g. sugar, squashed grapes
- Handle strong vibrations of an installation

Contact

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