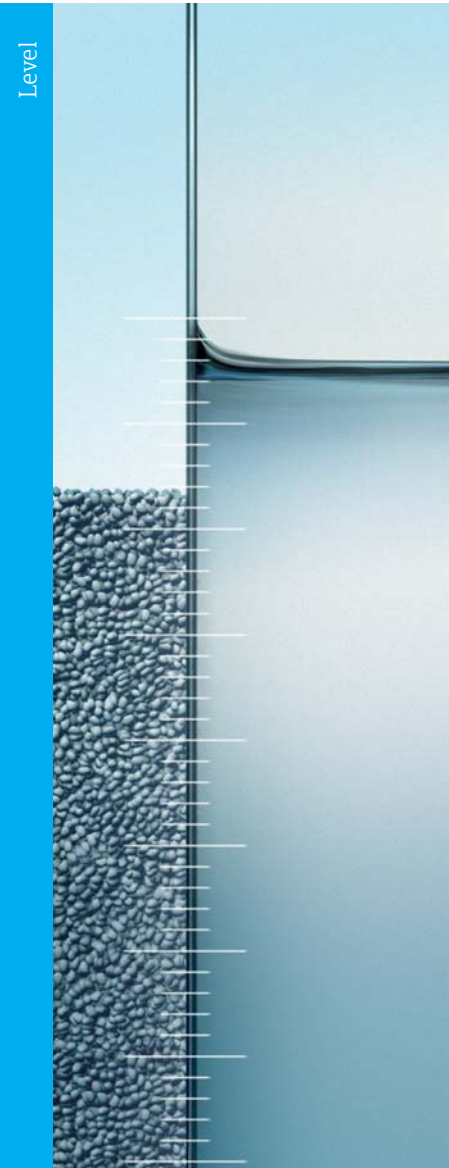


## Liquiphant FTL31 / FTL33

Attacking with quality.  
Holding back with price.



# Liquiphant FTL31 / FTL33

## Compact

- Smallest vibronic sensor in the market

## Safe

- Continuous self-monitoring
- Reliable switching independent of media properties
- Proven in use

## Easy

- No calibration or adjustment
- Plug & play without any specific tools



## Liquiphant, Liquipoint, Cerabar, Ceraphant – Best fit in every position.

Endress+Hauser offers the widest range of Level & Pressure devices in the market. Within the new product line different measuring technologies are available with the same look and feel - guaranteeing the best application fit. The devices not only fit your needs, but also your budget. And they are ready for extra time - for many years.

The complete Level & Pressure Team from Endress+Hauser.

# Vibronic point level detection in liquids

The Liquiphant offers reliable measurement even in the case of changing conductivity, build-up, turbulences, different flow conditions or air bubbles in the process. Also there is no calibration required.

## Liquiphant FTL31 – for industrial applications

The FTL31 is designed for industrial applications which are found in all industries, mainly in the machinery industry. The Liquiphant is used for overflow prevention or pump dry-run protection e.g. in cleaning and filter systems as well as in cooling and lubrication vessels.



- Robust stainless steel housing (316L)
- External function test with test magnet
- On-site function check via LED indication
- Compact design for easy installation even in confined conditions
- Process connection: Thread NPT, R, G ½, ¾, 1"
- Process temperature: -40 up to +150°C (-40 up to +302°F)
- Process pressure -1 to +40bar (-14.5 to +580psi)
- Viscosity: 1 to 10,000 mPa·s
- Surface roughness: 3.2µm
- Tests and certificates: WHG overflow prevention and leakage detection, CSA C/US, 3.1 material certificate, marine certificates, final inspection report

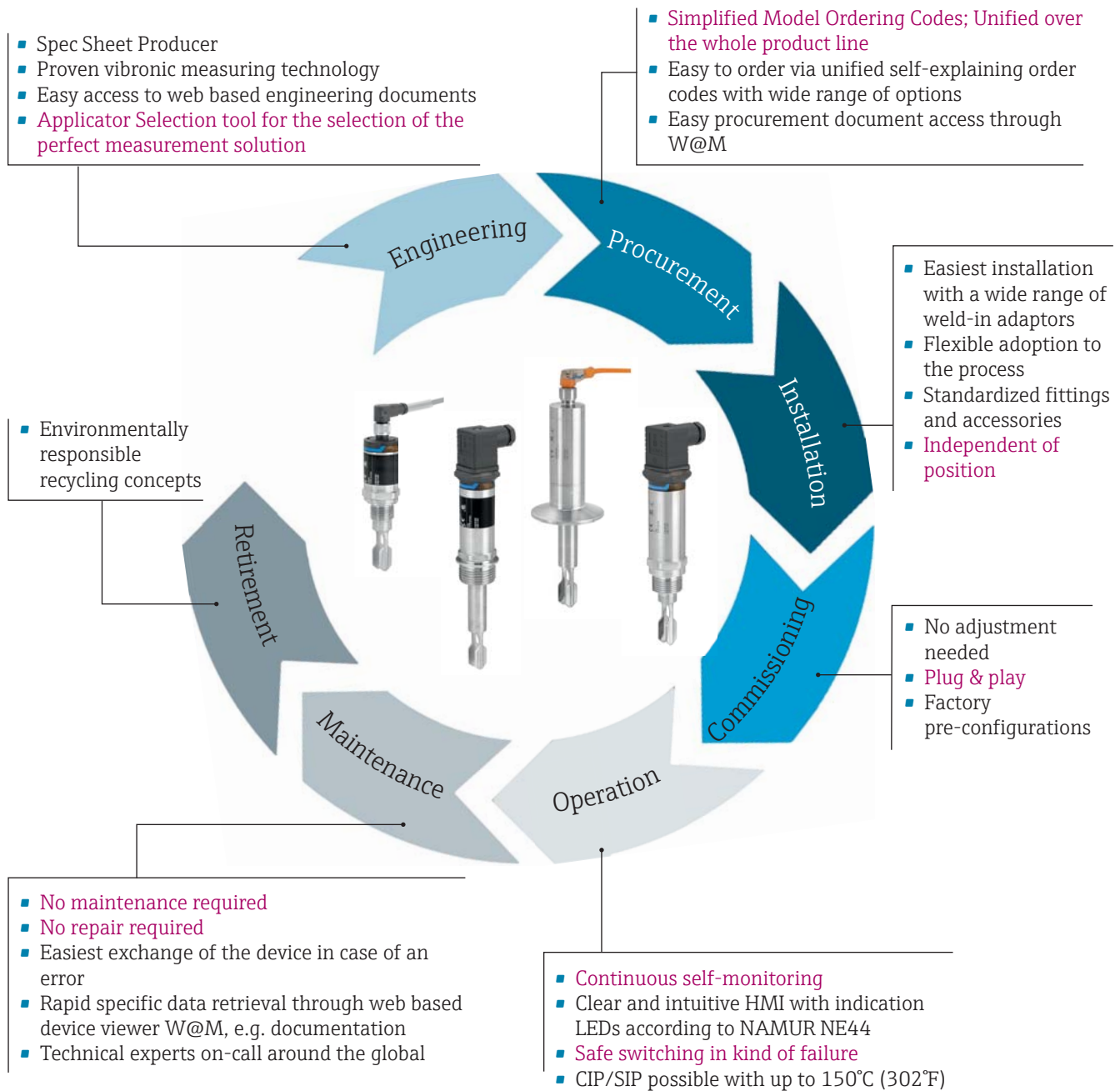
## Liquiphant FTL33 – where hygienic requirements are requested

The FTL33 is especially designed for food & beverage applications where hygienic requirements are requested. The device is used preferably in storage tanks, mixing vessels and pipes, where the internal and external hygienic requirements are particularly stringent.



- 3-A and EHEDG certificates
- CIP and SIP cleanability guaranteed up to 150°C (302°F)
- All-metal separation, no plastics in the process
- Robust stainless steel housing (316L)
- External function test with test magnet
- On-site function check via LED indication
- Compact design for easy installation even in confined conditions
- Process connection: Thread NPT, G ½, ¾, 1", M24 for process adapter, DIN11851, Tri-clamp, flush mount
- Process temperature: -40 up to +150°C (-40 up to +302°F)
- Process pressure -1 to +40bar (-14.5 to +580psi)
- Viscosity: 1 to 10,000 mPa·s
- Surface roughness: 0.76µm or 1.5µm
- Tests and certificates: WHG overflow prevention and leakage detection, EHEDG, 3-A, FDA, CSA C/US, CRN, 3.1 material certificate, final inspection report

# Sustaining value throughout the product life cycle



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