

Liquiphant FailSafe

Point level switch for the maximum degree of safety

- For high degree of failure safety: Safety Integrity Level up to SIL3 according to IEC 61508/IEC 61511 with only one instrument (internal redundancy)
- Safe function due to permanent self-monitoring SFF (Safe Failure Fraction) > 99%
- Proof test interval may be extended to up to 12 years, independent of sensor covered (pump protection) or uncovered (overflow prevention)
- Significantly simplified proof test according to WHG guidelines (Water Resource Law) or IEC 61508/IEC 61511 functional safety requirements
- 4...20mA output according to NAMUR NE06 / NE43 for an easy integration with Nivotester FTL825 or directly to a (safety) PLC
- Additional, dynamic LIVE-signal



ANACE
THE CORROSION SOCIETY

WHG



Endress+Hauser 

People for Process Automation

Liquiphant FailSafe



FTL80



FTL81



FTL85



FTL825

The point level switches for liquids of the Liquiphant family have convinced customers for three decades by now. The new Liquiphant FailSafe of Endress+Hauser sets standards in terms of safety and high availability. The point level switch is used in pump dry-run protection and overflow prevention, predominantly in the chemical, oil & gas as well as energy industry.

Endress+Hauser is able to cover all requirements of modern process industry with the new Liquiphant FailSafe and introduces an instrument for the highest degree of product and plant safety. As a matter of course, the general advantages of the vibration measuring principle are also applicable: E.g. measurements unaffected by the physical properties of the medium like conductivity, dielectric constant or also density changes. Foam and turbulence do not influence the measurement. A calibration for the respective medium is also superfluous.

Technical data

Process temperature	-60...+280°C/-76...+536°F
Process pressure	-1...+100bar/-14.5...1,450psi
Sensor materials	316L, 318L, Alloy C22, Enamel, PFA, ECTFE, PFA-conductive
Approvals	ATEX, IEC Ex, FM, CSA, CRN, NEPSI, TIIS, SIL, WHG, VdTÜV100

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