



Reliable

Highly accurate measurement of even low-density materials

Cost effective

Precise level measurement for optimal storage

User friendly

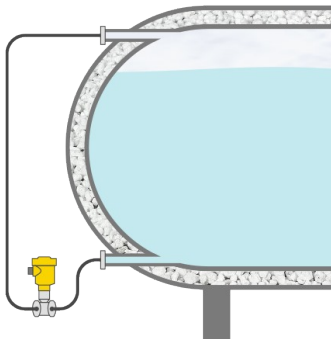
Simple installation without standpipe

Hydrogen tanker with liquid hydrogen

Level measurement in a liquid hydrogen tank

If energy-rich hydrogen has to be transported over long distances, special tanker ships are used. To minimise losses, the hydrogen is cooled down to -253 °C at 1 bar pressure so that it can be stored in liquid form. The level can be measured either by means of thin impulse lines and conventional differential pressure or free-radiating radar. An elaborate standpipe, which would also lead to increased heat input, is not required.

[More details](#)



VEGADIF 85

Level measurement via differential pressure in a tank holding liquid hydrogen

- Reliable measurement thanks to diaphragm with gold coating
- Precise measured values, even with very low hydrostatic pressures
- Output of differential as well as static pressure through a second current output

[Show Product](#)

VEGADIF 85
[Show Product](#)



Measuring range - Pressure

-40 ... 40 bar

Process temperature

-40 ... 105 °C

Process pressure

-1 ... 400 bar

Accuracy

0.065 %

Materials, wetted parts

316L
 Tantalum
 Alloy C276 (2.4819)
 Monel

Threaded connection

¼ - 18 NPT

Flange connection

≥ DN32, ≥ 1½"

Seal material

EPDM
 FKM
 Copper

Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)
 Stainless steel (electropolished)

Protection rating

IP66/IP68 (0,2 bar)
 IP66/IP67
 IP66/IP68 (1 bar)