

Reliable

Highly accurate measurement of even lowdensity 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

1 ... 100 bai

Accuracy 0.065 %

Materials, wetted parts

316L

Tantalum

Alloy C276 (2.4819)

Monel

Threaded connection

1/4 - 18 NPT

Flange connection

≥ DN32, ≥ 1¾"

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)

