

#### 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)

