

Reliable

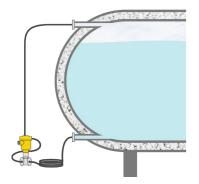
Highly accurate measurement of even lowdensity materials

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



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VEGADIF 85 Show Product	
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Measuring range - Pressure -40 40 bar	
Process temperature -40 105 °C	
Process press	sure
Accuracy 0.065 %	
Materials, wet 316L Tantalum Alloy C276 (2.4 Monel	
Threaded con 1⁄4 - 18 NPT	nection
Flange conne ≥ DN32, ≥ 1%"	ction
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)	



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