



#### Reliable

Reliable measurement without capillaries, impulse lines or mechanical parts

#### Cost effective

High process efficiency thanks to optimum foam level

#### User friendly

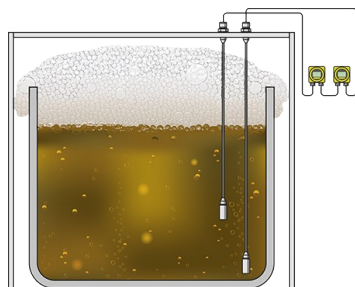
Low-maintenance, wear-free operation with ceramic measuring cells

## Froth flotation cell

### Density-compensated level measurement in flotation cells

To work efficiently, flotation cells depend on continuous froth formation. If the froth layer is too thin, it cannot transport the sufficient amount of dispersed or suspended particles to the surface. On the other hand, froth that is too thick indicates that the reaction time of the chemicals is too long. This has the consequence that too little of the medium gets processed. A density-compensated level measurement is the reliable solution in this process: this ensures that the density of the liquid remains constant and optimizes the process yields over a long period.

[More details](#)



### VEGABAR 86

Electronic differential pressure measurement for density-compensated level measurement

- Reliable measurement for maximization of flotation efficiency
- Abrasion resistant thanks to CERTEC® ceramic measuring cell
- Measures density, level and temperature simultaneously

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**VEGABAR 86**  
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**Measuring range - Pressure**  
 0 ... 25 bar

**Process temperature**  
 -20 ... 100 °C

**Process pressure**  
 0 ... 25 bar

**Accuracy**  
 0.1 %

**Materials, wetted parts**  
 PVDF  
 316L  
 FEP  
 PE  
 PUR

**Threaded connection**  
 $\geq G1\frac{1}{2}$ ,  $\geq 1\frac{1}{2}$  NPT

**Flange connection**  
 $\geq DN 40$ ,  $\geq 2"$

**Seal material**  
 EPDM  
 FKM  
 FFKM

**Housing material**  
 Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)

**Protection rating**  
 IP66/IP68 (0,2 bar)  
 IP66/IP67  
 IP66/IP68 (1 bar)  
 IP66/IP68 (25 bar)  
 IP69K