

Multiphase and Interface Level Measurement

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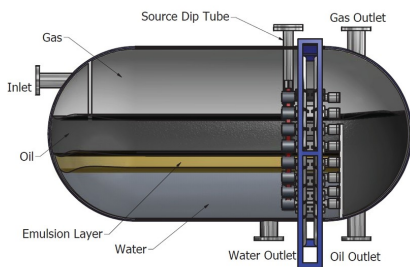
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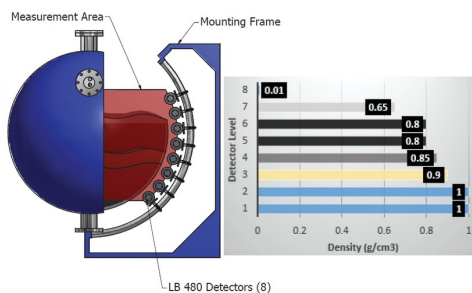
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Arrangement of Multiphase Level Measurement on an oil separator with a rod source and several detectors mounted outside



The Multiphase Level System measures the density profile in the separation tank

The interface position between two liquid phases or the height of different product layers can be easily determined with the radiometric measurement solutions from Berthold. Our products are even used to monitor emulsion layers. By measuring the density profile of the liquids, separation processes can be reliably monitored.

All measurements are carried out in a non-contacting manner - detectors and all electronic components are mounted at the vessel outside. Thus the detectors are easily accessible and not exposed to the pressure and temperature conditions inside the vessel.

WATCH THE VIDEO HERE IN THIS LINK:

<https://www.youtube.com/watch?v=Wn0S6lW2lc>

Advantages of the Berthold Multiphase Level Measurement

- Easy mounting outside of the vessel, easily accessible
- Not contacting the measured material
- Reliable technology for extreme conditions
- Insensitive to scaling
- Easy commissioning and calibration
- No-recalibrations required
- No wear and tear, maintenance-free
- Representative through long penetration path
- SIL2 / SIL3 approval

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