



Reliable

Safe measurement even under extreme conditions

Cost effective

Reduced need of foam agents thanks to continuous foam monitoring

User friendly

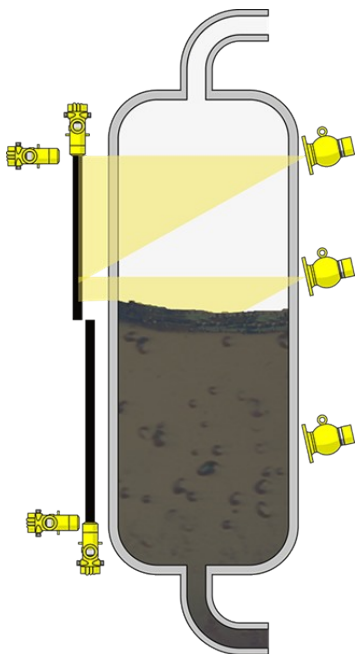
Easy installation

Coke drums

Density, level measurement and point level detection in coke drums

Delayed coking units are a critical step in the refining process - this is where downtime, inefficiency, and overflow are not an option. They generate extreme heat during operation and are very large vessels. By monitoring upper vapour phase density, operators can reduce antifoam carry-over and improve continuous productivity with accurate level measurement.

[More details](#)



FIBERTRAC 31

Radiation-based sensor for continuous level measurement in coke drums

- Lightweight construction eliminates need for cranes or special rigging for mounting
- Long detector length minimizes the need for additional platform construction
- RS485 gauge to gauge communication network offers extensive diagnostics and reduced troubleshooting time

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Radiation-based density and point level measurement in coke drums

- Non-contact measurement unaffected by fluid viscosity, deflection or refractive properties
- Monitors anti-foam injection effectiveness
- RS485 gauge to gauge communication network offers extensive diagnostics and reduced troubleshooting time
- Re-zeroing of the system with each cycle improves accuracy

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PRO

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Measuring range - Distance

7 m

Process temperature

-

Process pressure

-

Accuracy

± 0.5 %

Density

Density

Materials, wetted parts

No wetted material

Threaded connection

Mounting from outside via supplied mounting brackets

Seal material

no media contact

Housing material
Aluminium
Stainless steel (precision casting)
Protection rating

IP66/IP67

PRO

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Measuring range - Distance

-

Process temperature

-40 ... 60 °C

Process pressure

-

Accuracy

0.1 %

Materials, wetted parts

No wetted material

Seal material

no media contact

Housing material
Aluminium
Stainless steel (precision casting)
Protection rating

IP66/IP67

Output
Profibus PA
Foundation Fieldbus
4 ... 20 mA/HART - four-wire
Ambient temperature

-40 ... 60 °C