



Reliable

Safe measurement even under extreme conditions

Cost effective

Reduced need of foam agents thanks to continuous foam monitoring

User friendly

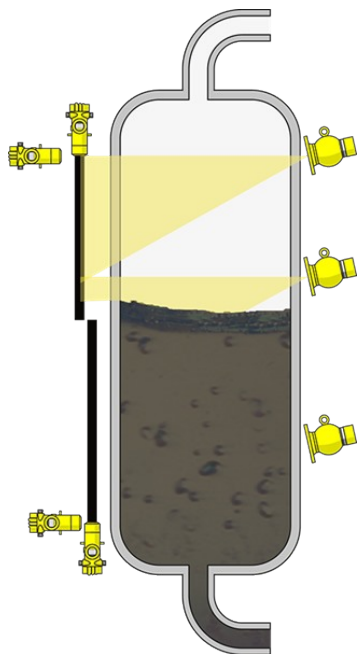
Easy installation

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 overfill 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
 $\pm 0.5 \%$
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

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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
 Four-wire: 4 ... 20 mA/HART

Ambient temperature
 -40 ... 60 °C