



Reliable

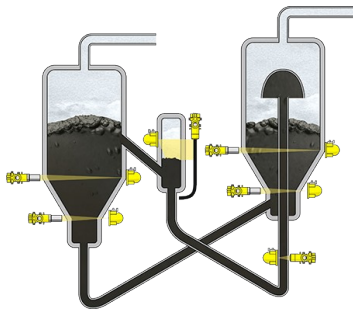
Non-invasive measurement ensures highest plant availability

Cost effective

Lightweight design reduces mounting costs

User friendly

External mounting does not interrupt the process



Fluid catalytic cracking unit

Density, level measurement and point level detection in the reactor

Fluid Catalytic Cracking (FCC) is one of the most important conversion processes used in petroleum refineries. As with many other refining applications, the vessels in the reactor system need to be operated and controlled at their optimum levels, as this is critical for the process productivity. Maintaining the proper levels also ensures that the expensive catalyst is used at maximum efficiency, with no waste.

More details



POINTRAC 31

Radiation-based sensor for point level detection

- Accurate measuring results independent of process conditions
- Non-contact operation is unaffected by buildup
- External mounting does not interrupt the process

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FIBERTRAC 31

Radiation-based sensor for continuous level measurement

- Lightweight construction eliminates need for cranes or special rigging for mounting
- Long detector length minimizes the need for additional platform construction

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MINITRAC 31

Radiation-based sensor for density measurement

- Compact and lightweight detector mounts easily
- External mounting does not interrupt the process
- Non-contact technology measures through vessel walls and obstructions
- Simple and intuitive setup

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POINTRAC 31
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Measuring range - Distance
-

Process temperature
-40 ... 60 °C

Process pressure
-

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
8/16 mA/HART - four-wire

Ambient temperature
-40 ... 60 °C

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FIBERTRAC 31
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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

PRO

MINITRAC 31
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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