



Reliable

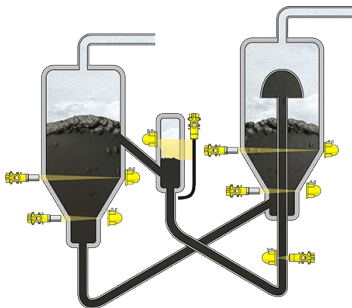
Non-invasive measurement ensures highest plant availability

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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PRO	
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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

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 Four-wire: 4 ... 20 mA/HART
Ambient temperature	-40 ... 60 °C