



Reliable

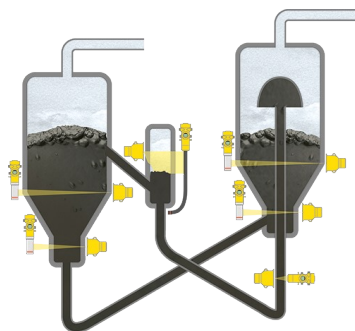
Non-invasive measurement ensures highest plant availability

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	PRO	PRO
POINTRAC 31 Show Product	FIBERTRAC 31 Show Product	MINITRAC 31 Show Product
		
Measuring range - Distance -	Measuring range - Distance 7 m	Measuring range - Distance -
Process temperature -40 ... 60 °C	Process temperature -	Process temperature -40 ... 60 °C
Process pressure -	Process pressure -	Process pressure -
Materials, wetted parts No wetted material	Accuracy ± 0.5 %	Accuracy 0.1 %
Seal material no media contact	Density Density	Materials, wetted parts No wetted material
Housing material Aluminium Stainless steel (precision casting)	Materials, wetted parts No wetted material	Seal material no media contact
Protection rating IP66/IP67	Threaded connection Mounting from outside via supplied mounting brackets	Housing material Aluminium Stainless steel (precision casting)
Output Profibus PA Foundation Fieldbus 8/16 mA/HART - four-wire	Seal material no media contact	Protection rating IP66/IP67
Ambient temperature -40 ... 60 °C	Housing material Aluminium Stainless steel (precision casting)	Output Profibus PA Foundation Fieldbus Four-wire: 4 ... 20 mA/HART
	Protection rating IP66/IP67	Ambient temperature -40 ... 60 °C