

#### Reliable

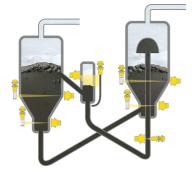
Non-invasive measurement ensures highest plant availability

### 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

## **Show Product**

# **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

## **Show Product**

# **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

### **Show Product**



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

-40 ... 60 °C

