



#### Reliable

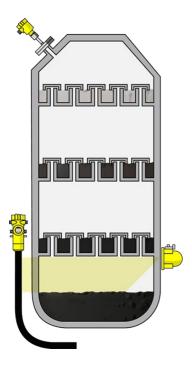
Precise measurement results even in extreme environments

## Cost effective

Easy mounting reduces installation and maintenance costs

## **User friendly**

Simple calibration even during running process



## Distillation column

## Level and pressure measurement in the distillation unit

The heavy, highly viscous process material and extreme temperature are located in the bottom part of the distillation. For level control of residual feeds, a non-contact measurement is essential for reliability. Monitoring head space pressure at the upper end of refinery columns is important to ensure that the process is operating under ideal conditions.

### More details



## **FIBERTRAC 31**

Radiation-based sensor for continuous level measurement

- Non-contact measurement principle allows safe and reliable level measurement
- Lightweight design reduces mounting hardware and structural requirements
- Easy proof test verifies operation without costly process downtime



## **Show Product**

**VEGABAR 81** 

Measurement of head pressure with pressure transmitter in the distillation column

- Reliable head pressure measurement, even with vacuum or overpressure
- Measurement result unaffected by temperature variations during the start-up and shutdown of the column
- Durable pressure transmitter can withstand temperatures of up to 400 °C

**Show Product** 



# FIBERTRAC 31 Show Product



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

VEGABAR 81 Show Product



Measuring range - Distance

-

Measuring range - Pressure

-1 ... 1000 bar

Process temperature

-90 ... 400 °C

Process pressure

-1 ... 1000 bar

Accuracy

0.2 % 0.1 %

Materials, wetted parts

Alloy C22 (2.4602)

Alloy 400 (2.4360)

Tantalum

Alloy C276 (2.4819)

Duplex (1.4462)

Titanium Grade 2 (3.7035)

1.4435

316/316L

Titanium Grade 7 (3.7235)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN25, ≥ 1"

Hygenic fittings

Clamp ≥ 1" - DIN32676, ISO2852

Slotted nut  $\geq 1\frac{1}{2}$ ",  $\geq$  DN40 - DIN 11851

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut
Hygienice flange connection ≥ DN50 DIN11864-2

Hygienic fittings ≥ DN40 - DIN11864-1-A

Seal material

no media contact

