



## Oil feed tank

### Turbine oil feed tank level measurement

Turbines are highly complex systems in which lubricating oil plays an important role. The oil is used to ensure proper operation, to reduce maintenance costs to a minimum and to prevent turbine failure. Turbine oils are produced from high quality mineral oils that have special properties to reduce demulsification (separation of water) and air release. The level in the feed tank must be monitored to ensure that there is always enough oil available for lubrication.

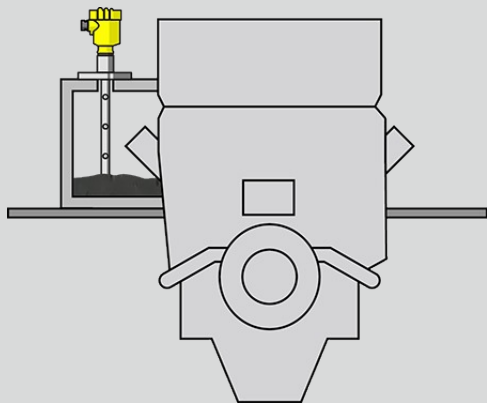
- Reliable
- Reliable measurement of the level
- Cost effective
- Maintenance-free measurement with high accuracy
- User friendly
- Reliable, continuous operation



### VEGAFLEX 81

Level measurement with guided radar for reliable data on the oil level in the turbine

- Reliable, maintenance-free measurement
- High measurement certainty, even with heavy buildup
- Modern measuring technique guarantees high operational reliability





## VEGAFLEX 81

### Measuring range - Distance

75 m

### Process temperature

-60 ... 200 °C

### Process pressure

-1 ... 40 bar

### Accuracy

± 2 mm

### Version

Basic version for exchangeable cable  $\varnothing$  2;  $\varnothing$  4 mm  
Basic version for exchangeable rod  $\varnothing$  8 mm  
Basic version for exchangeable rod  $\varnothing$  12 mm  
Coax version  $\varnothing$  21.3 mm for ammonia application  
Coax version  $\varnothing$  21.3 mm with single hole  
Coax version  $\varnothing$  21.3 mm with multiple hole  
Coax version  $\varnothing$  42.2 mm with multiple hole  
Exchangeable rod  $\varnothing$  8 mm  
Exchangeable rod  $\varnothing$  12 mm  
Exchangeable cable  $\varnothing$  2 mm with gravity weight  
Exchangeable cable  $\varnothing$  4 mm with gravity weight  
Exchangeable cable  $\varnothing$  2 mm with centering weight  
Exchangeable cable  $\varnothing$  4 mm with centering weight  
Exchangeable cable  $\varnothing$  4 mm without weight  
exchangeable, PFA-coated cable  $\varnothing$  4 mm with non-coated centering weight

### Materials, wetted parts

PFA  
316L  
Alloy C22 (2.4602)  
Alloy 400 (2.4360)  
Alloy C276 (2.4819)  
Duplex (1.4462)  
304L

### Threaded connection

≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT

### Flange connection

≥ DN25, ≥ 1"

### Seal material

EPDM  
FKM  
FFKM  
Silicone FEP coated  
Borosilicate glass

### Housing material

Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)