



Wave and draught height

Reliable

Reliable measurement for protection of personnel and equipment

Cost effective

Long service life thanks to the use of non-contact measurement method

User friendly

Simple mounting

Wave height measurement for a drilling and production platform

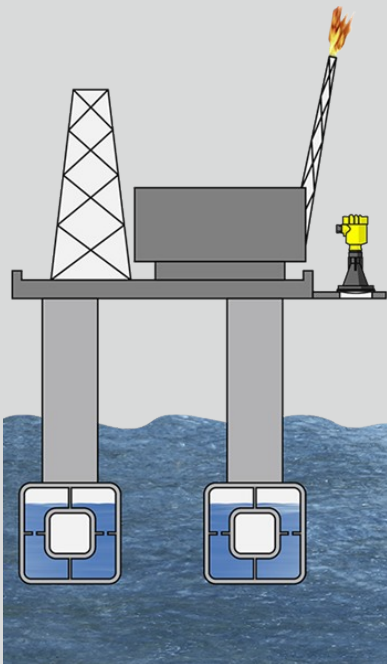
The height of floating drilling or pumping assets like platforms or FPSOs must be precisely maintained, even in the roughest seas with waves up to 30 m high. Environmental influences such as wind and waves must be measured quickly and accurately, then evaluated with GPS navigation data. Furthermore, quick and exact measurement of wave heights is needed should there be an evacuation, where "freefall lifeboats" need to be released to meet waves at their highest point.



VEGAPULS 64

Measuring wave heights with non-contact radar

- Reliable measurement, independent of wind, temperature and fog
- Focussed 80 GHz beam and fast reaction for precision measurement
- Simple installation thanks to low weight of the sensors





VEGAPULS 64

Measuring range - Distance

30 m

Process temperature

-196 ... 200 °C

Process pressure

-1 ... 25 bar

Accuracy

± 1 mm

Frequency

80 GHz

Beam angle

≥ 3°

Version

with plastic horn antenna ø 80 mm

Thread with integrated horn antenna

Flange with encapsulated antenna system

Hygienic fitting with encapsulated antenna system

Materials, wetted parts

PFA

PTFE

316L

Alloy C22 (2.4602)

PEEK

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN50, ≥ 2"