

## Reliable

Reliable, millimetre-exact detection of the sea level

## Cost effective

No maintenance or cleaning required

## User friendly

Simple installation, easy access to the measuring point at any time

## Tsunami warning system in the harbour

## Sea level measurement at the harbour wall

Tsunamis travel quickly and cause great damage when they hit land. So it is vital that tsunami warnings are issued early. Tsunami information centres continuously evaluate simultaneous data from seismic and sea level measuring stations. Such a sea level measuring station is operated by an oceanographic centre in a ferry and cargo-ship terminal. The measurement has to reliably and accurately detect the sea level and forward the data directly to the central monitoring system.

More details

## VEGAPULS 6X

Sea level measurement with radar at the harbour wall

- Contactless and maintenance-free
- Precision focusing of the measurement signal allows mounting close to the harbour wall
- Reliable function, independent of weather and sea conditions

Show Product

VEGAPULS 6X

## Show Product



Measuring range - Distance
120 m

## Process temperature

-196 ... $450^{\circ} \mathrm{C}$
Process pressure
-1 ... 160 bar

## Accuracy

$\pm 1 \mathrm{~mm}$
Frequency
6 GHz
26 GHz
80 GHz

## Beam angle

$\geq 3^{\circ}$
Materials, wetted parts
PTFE
PVDF
316L
PP
PEEK

## Threaded connection

$\geq \mathrm{G}^{3} / 4, \geq 3 / 4$ NPT
Flange connection
$\geq$ DN20, $\geq 3 / 4 "$
Hygenic fittings
Clamp $\geq 11 / 22^{\prime \prime}-$ DIN32676, ISO2852
Slotted nut $\geq 2^{\prime \prime}$, DN50 - DIN 11851
Varivent $\geq$ DN25
hygienic fitting with tension flange DN32
hygienic fitting F 40 with compression nut
Hygienic screw connections $\geq$ DN50 tube ø53-
DIN11864-1-A
Hygienice flange connection $\geq$ DN50 DIN11864-2
Hygienic clamp connection $\geq$ DN50 pipe Ø53- DIN11864-
3-A
DRD connection $\varnothing 65 \mathrm{~mm}$
SMS 1145 DN51

