



The IMT products are:

- Maintenance free
- Safety
- Environmental friendly

## NAV AID Safe Area Visibility/Fog Detector

### Main Characteristics

The visibility detector will be installed on the railing on a side of the deck. It measures atmospheric visibility (meteorological optical range) by determining the amount of light scattered by particles (smoke, dust, haze, fog, rain, & snow) in the air that passes through the sample volume.

When the air is clear, very little light is scattered, resulting in a small signal received. More particles, result in more scattering, hence higher received signal

The detector has a visibility range of 10 mtrs up to 35 km. LED transmitter projects light in a forward direction into the air between the heads and the light scattered is collected by the receiver on the opposite head. The resulting signal strength is converted to a visibility range.

### Specification/Technical Data

Type	: Vaisala PWD50
Measurement range	: 10 to 35.000 mtr.
Accuracy	: +/- 10 RMSE
Ambient temperature	: -40...+60 °C
Temperature Humidity	: 0...100 %RH
Ingress protection	: IP66
Operating voltage	: 12Vdc, 24Vdc
Power consumption	: 3 Watt
Dimensions	: 695x200x404mm. (WxHxD) (excluding pole)
Weight	: 3 kg

### Options

- Hood mounted heaters for low "icing" temperature areas
- Calibration Kit
- Zone 1 ex versions/



### Dimensions

