



**New product version of the known Lufft VS20 visibility sensor with a measurement range of 10...2000m, easy calibration functionality, sea waterproof housing and (active) spider defence**

- **Parameters measured**  
Visibility (measuring range 10 ... 2000 m)
- **Measurement technology**  
45° forward light scattering
- **Product highlights**  
suitable for extreme ambient conditions, active spider defence, seawater resistant, compatible interfaces
- **Interfaces**  
RS-485, analogue output
- **Article number**  
8366.U70

The VS2k visibility sensor measures visibility up to 2000m, ideal for road traffic applications on motorways, highways or bridges. A calibration device is available (optional).

The VS2k-UMB is configured via the software UMB Config Tool:

- Reading / Changing of the current configuration,
- calibration,
- polling of the current measurement values,
- the software allows configurations to be loaded and stored.

# Technical Data

## Visibility Sensor VS2k-UMB



The measurement data is available for further processing in the form of the standard protocol Lufft UMB. ASD = Active Spider Defense: The built-in vibrating motor ensures at irregular intervals that the VS2k visibility sensor is not so prone to spiders. The construction of VS2k also reduces the frequency of maintenance.

### General

#### Storage conditions

Admissible storage temperature	-40...70°C
Operating rel. humidity	0...100% RH (non condensing), 0...98% (inside packaging)
Operating conditions	
Operating temperature	-40...60°C
Operating rel. humidity	0...100% RH
Power supply	20...30VDC; typical 24VDC
Power consumption	< 200mA (motor running and current outputs active), about 100mA in normal mode and RS485 output
Power consumption	3W (typical), 10W (max.)
Protection class	III (SELV)

#### Interface

Dimensions	500x230x80mm
Weight	Approx. 4kg
Protection type	IP66
Value update	1/minute
Included in delivery	Connection cable
Cable length	10m

#### Visibility

Principle	45° forward scattering
Measuring range	10 ... 2000 m
Unit	m
Accuracy	±10 m or ±10 %, highest value applies