



Lufft Visibility Sensor VS20k

Product #: 8366.U90
USD Price: Contact Hach

The VS20k visibility sensor measures visibility up to 20'000 m, ideal for road traffic applications on motorways, highways or bridges. A calibration device is available (optional).

The VS20k-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.

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.

Unique

First and only visibility sensor with active spider defense.

Durable

Long life time thanks to sea waterproof housing.

Easy integration

Open and free to use communication protocol for easy integration in existing systems.

Specifications

*Parameters Measured:	Visibility (MOR) 45° forward scattering
Accuracy:	±10 %
Compliance Certifications:	Class III (SELV) CE
Dimensions:	19.7 x 9.1 x 3.1 in (500 x 230 x 80 mm)
Interface:	RS485 (2-wire, half duplex); Analogue output (4 - 20mA)
IP Rating:	IP66
Light Source:	N.A.

Measuring Range:	32 ft -65,616 ft (10 m -20,000 m)
Operating Humidity:	0 - 100 % RH (non condensing), 0 - 98 % (inside packaging)
Power Consumption:	3 W (typical), 10 W (max.)
Power Supply:	20 - 30 VDC; typical 24 VDC
Protocol:	UMB, ASCII-2.0
Relative Humidity:	0 - 100 % RH
Resolution:	1 m, 60 s, 10 min
Sensor Ports:	ASD: Active Spider Defense
Standard storage temperature:	-40 - +158 °F (-40 - +70 °C)
Temperature Range:	-40 - +140 °F (-40 - +60 °C)
Wavelength:	N.A.
Weight:	Approx. 8.8 lbs (4 kg) without Mounting bracket
	Approx. 12.3 lbs (5.6 kg) incl. Mounting bracket