PRODUCT DATASHEET
Supplier-provided technical data

Visibility Sensor



Supplier: NiuBoL
Manufacturer model: NBL-W-VS
Archive SKU: NBL-W-VS
Price, availability, delivery and warranty: confirmed by quotation.

Visibility Sensor supplied by NiuBoL. Select the required configuration and request a quotation for price and availability.

Select the required configuration for your intended monitoring task. Supplier-stated ranges and performance figures are reproduced below. Source differences require confirmation of the supplied version; no retail price, stock, warranty duration or delivery commitment is inferred.

Configuration and measurement limitations

• Visibility range is printed as Basic 5-10KM and Extended 5-20KM. The lower-limit notation/units require confirmation; do not silently reinterpret 5 as metres.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 11.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 23.

Supplier technical description

Technical specifications and configuration — supplier wording

Supply voltage:DC12V
Output:RS485
Technology Principle: Light Scattering
Average power consumption:0.8W
Scattering angle coverage 39°-51° front scattering
Peak wavelength:875nm
Bandwidth:100nm
Measuring range:Basic:5-10KM, Extended:5-20KM
Measurement accuracy ≤2km,2%; 2km-10km,±10%; ≥10km,±15%;
Working temperature:-40-80°C
Working humidity: 0-95%RH
Standard cable length: 10m
Material: anodized hard aluminium, with paint protection on the outer surface
Protection grade IP65

Catalogue page 23 — technical data

Parameter	Supplier-stated value / source wording
Supplier statement	Visibility sensor
Measuring range	Basic:5-10KM Extended type:5-20KM
Working Temperature	-40°C~80°C
Working humidity	≤ 95%RH
Output	RS485
Product weight	<10Kg
Power supply	□DC12V
Power consumption	0.8W
Supplier statement	Technical principle Light scattering
Supplier statement	Material Anodised rigid aluminium with painted exterior
Supplier statement	Size 610mm x 230mm x 300mm
Supplier statement	Protection class IP65