PRODUCT DATASHEET
Supplier-provided technical data

Visibility Sensor



Supplier: NiuBoL
Manufacturer model: NBL-W-VS-2
Archive SKU: NBL-W-VS-2
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.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 12.

Supplier technical description

Technical specifications and configuration — supplier wording

Measurement Range: 10m – 10Km (extendable to 20Km; 30Km; 80Km; 100Km)
Measurement Accuracy: ±10%
Weather Phenomenon Module: Identifies four types of precipitation: Drizzle, Light Rain, Moderate Rain, Heavy Rain
Can identify states like Rain, Snow, Light Fog (Smoke), Dense Fog (Smoke), etc.
Measurement Range: 0-200mm/h
Resolution: 0.1mm (Rainfall); 1mm (Snowfall)
Communication Baud Rate: 4800-19200
Digital Communication Interface: RS485/RS232
Analog Output Interface (Optional): Voltage Output: 0-5/10V; Current Output: 4-20mA
Communication Protocol: ModBus, ASCII
Weight: Aluminum Alloy ≤ 2.8kg; Stainless Steel ≤ 12kg
Dimensions (306A/B): 646mm×328mm×176mm (PH-VTF306A)
Power Supply: DC12-24V; AC220V (Optional)
Power Consumption: ≤6W (Heated State)
Ambient Temperature: -40°C to +50°C
Humidity: 0-100%