PRODUCT DATASHEET
Supplier-provided technical data

Leaf Temperature and Humidity Sensor



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

Leaf Temperature and Humidity 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

• Model identity remains unconfirmed: the quotation uses NBL-W-LM while the catalogue uses NBL-S-LM. The identical image and function suggest a related family but do not establish that these are the same SKU.

• Specifications differ between the two labelled versions: catalogue temperature range -20 to 80 °C, about ±1 °C accuracy and 12 V supply; quotation -40 to 80 °C, ±0.5 °C and 12-24 V. Confirm the manufacturer model and specification before ordering.

• Same leaf-sensor image appears in quotation under NBL-W-LM; catalogue uses NBL-S-LM. Treat as probable model-code alias pending supplier confirmation. Main catalogue and quotation measurement ranges/accuracy differ.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 21.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 34.

Supplier technical description

Technical specifications and configuration — supplier wording

Temperature range: -40-80°C
Temperature accuracy: ±0.5°C
Humidity range: 0-100%
Humidity Accuracy: ±5%
Operating Environment: -40-85°C
Power: DC 12V-24V
Output: RS485
Baud rate: 9600bps
Protection class:IP65

Catalogue page 34 — technical data

Parameter	Supplier-stated value / source wording
Leaf Temperature	Measuring range:-20~80°C
Supplier statement	Resolution:0.1°C
Supplier statement	Accuracy:1°C(25)°C
Leaf humidity	Measuring range:0~100%
Supplier statement	Resolution:0.1%
Supplier statement	Accuracy:±5%(25°C)
Power supply	DC12V
ignal output	RS-485
esponse time	<1s
Working current	17ma(DC12
Power consumption	DC12V <=0.22W
Settling time	About 10 seconds after power up
Protection class	IP65

Catalogue page 34 — selection / wiring table

Parameter	Supplier-stated value / source wording
Line colo	r | Output signal:RS485
Red	power +
Black (green)	power -
Yellow	A+/TX
Blue	B-/RT