PRODUCT DATASHEET
Supplier-provided technical data

# 10 in 1 Ultrasonic Integrated Sensor



Supplier: NiuBoL
Manufacturer model: NBL-W-10GUWS
Archive SKU: NBL-W-10GUWS
Price, availability, delivery and warranty: confirmed by quotation.

10 in 1 Ultrasonic Integrated 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

• The quotation explicitly makes solar radiation and illuminance alternatives. Select one of these light channels; both are not included simultaneously in the quoted configuration.

## Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 8.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 15.

## Supplier-stated technical data — quotation

| Parameter | Supplier-stated value / source wording |
|---|---|
| **Wind speed** | 0~60m/s Accuracy: ±0.3+3% |
| **Measurement range — Resolution** | FS 0.01m/s |
| **Wind direction** | 0~359° Accuracy: ±3° |
| **Measurement range — Resolution** | 1° |
| **Temperature** | -40~80 Accuracy: ±0.5 °C °C |
| **Measurement range — Resolution** | 0.1 °C |
| **Humidity** | 0~100%RH Accuracy: ±5%RH |
| **Measurement range — Resolution** | 0.1%RH |
| **Air pressure** | 10~1100hPa Accuracy: ±1.5hPa |
| **Measurement range — Resolution** | 0.1hPa |
| **Rainfall** | 0~8mm/min Accuracy: ±10% |
| **Measurement range — Resolution** | 0.01mm |
| **PM2.5** | 0~1000ug/m3 Accuracy: ±10% |
| **Measurement range — Resolution** | 1ug/m3 |
| **PM10** | 0~2000ug/m3 Accuracy: ±10% |
| **Measurement range — Resolution** | 1ug/m3 |
| **Noise** | 30~130dB Accuracy: ±5dB |
| **Measurement range — Resolution** | 0.1dB |
| **Radiation** | 0~1500W/m2 Accuracy: ±10% |
| **Measurement range — Resolution** | 1W/m2 |
| **illuminance** | 0~200000 Accuracy: Lux±7% |
| **Measurement range — Resolution** | 10Lux |
| **Power** | DC12V-24V Output: RS485 |
| **Notes** | Solar radiation sensor and illuminance sensors are for either one or the other. |

## Catalogue page 15 — technical data

| Parameter | Supplier-stated value / source wording |
|---|---|
| **Power supply** | DC12V-24V |
| **Signal output** | Rs485 |
| **Baud rate** | 9600 |
| **Communication protocols** | MODBUS protocol |
| **Operating temperature** | -40-80°C |
| **Working humidity** | 0-95%RH |
| **Standard cable length: 2.5m,** | Material: ABS, protection grade: IP65 |
| **Supplier statement** | Measurement range |
| **Wind speed** | Measuring range \| 0-60m/s |
| **Wind speed — Measurement accuracy** | ±0.3+3%FS |
| **Wind speed — Resolution** | 0.01m/s |
| **Wind direction** | Measuring range \| 0-359° |
| **Wind direction — Measurement accuracy** | ±3° |
| **Wind direction — Resolution** | 1° |
| **Temperature** | Measuring range \| -40-80°C |
| **Temperature — Measurement accuracy** | ±0.5°C |
| **Temperature — Resolution** | 0.1°C |
| **Humidity** | Measuring range \| 0-100%RH |
| **Humidity — Measurement accuracy** | ±5%RH |
| **Humidity — Resolution** | 0.1%RH |
| **Pressure** | Measuring range \| 10-1100 hPa |
| **Pressure — Measurement accuracy** | ±1.5 hPa |
| **Pressure — Resolution** | 0.1 hPa |
| **PM2.5** | Measuring range \| 0~1000ug/m3 |
| **PM2.5 — Measurement accuracy** | ±10% |
| **PM2.5 — Resolution** | 1ug/m3 |
| **PM10** | Measuring range \| 0~2000ug/m3 |
| **PM10 — Measurement accuracy** | ±10% |
| **PM10 — Resolution** | 1ug/m3 |
| **Noise** | Measuring range \| 30~130dB |
| **Noise — Measurement accuracy** | ±5dB |
| **Noise — Resolution** | 0.1dB |

| Parameter | Supplier-stated value / source wording |
|---|---|
| **Illumination** | Measuring range \| 0~200000Lux |
| **Illumination — Measurement accuracy** | ±7% |
| **Illumination — Resolution** | 10Lux |
| **Rainfall** | Measuring range \| 0~8mm/min |
| **Rainfall — Measurement accuracy** | ±10% |
| **Rainfall — Resolution** | 0.01mm |
| **Radiation** | Measuring range \| 0~1500W/m2 |
| **Radiation — Measurement accuracy** | ±10% |
| **Radiation — Resolution** | 1W/m2 |