PRODUCT DATASHEET
Supplier-provided technical data

8 in 1 Ultrasonic Integrated Sensor



Supplier: NiuBoL
Manufacturer model: NBL-W-81GUWS
Archive SKU: NBL-W-81GUWS
Price, availability, delivery and warranty: confirmed by quotation.

8 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.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 7.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 13.

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 ±1.5hPa
Accuracy — Resolution	0.1hPa
PM2.5	0~1000ug/m3 Accuracy: ±10%
Accuracy — Resolution	1ug/m3
PM10	0~2000ug/m3 Accuracy: ±10%
Accuracy — Resolution	1ug/m3
Noise	30~130dB Accuracy: ±5dB
Accuracy — Resolution	0.1dB
Power	DC12V-24V
Output	RS485

Catalogue page 13 — 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