PRODUCT DATASHEET
Supplier-provided technical data

7 in 1 Ultrasonic Integrated Sensor



Supplier: NiuBoL
Manufacturer model: NBL-W-71GUWS
Archive SKU: NBL-W-71GUWS
Price, availability, delivery and warranty: confirmed by quotation.

7 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

• Main catalogue labels this 7-in-1 but includes a radiation specification block in addition to wind, temperature, humidity, pressure, illumination and rainfall. Confirm exact channel configuration.

• The quotation describes a seven-channel configuration including solar radiation. The catalogue additionally lists illuminance, which would exceed seven named outputs. Confirm the actual sensor-channel configuration; do not imply that both light channels are included.

Source documents

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

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 12.

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
Measurement range — Accuracy	±5%RH Resolution:0.1%RH
Air pressure 10~1100hPa Accuracy	±1.5hPa
Measurement range — Resolution	0.1hPa
Rainfall	0~8mm/min
Measurement range — Accuracy	±10% Resolution:0.01mm
Radiation 0~1500W/m2 Accuracy	±10%
Measurement range — Resolution	1W/m2
Power	DC12V-24V
Output	RS485

Catalogue page 12 — 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
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