PRODUCT DATASHEET
Supplier-provided technical data

5-in-1 Temperature, Humidity, Pressure, Illumination, CO2 Sensor



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

5-in-1 Temperature, Humidity, Pressure, Illumination, CO2 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 illumination accuracy/resolution rows appear swapped (1 Lux under accuracy, ±7% under resolution). Confirm before using these values.

• Pressure specifications conflict: catalogue 500-1100 hPa with ±0.3 hPa, quotation 10-1100 hPa with ±1.5 hPa. Confirm the required version before using either range/accuracy.

• The supplier tables appear to swap illuminance accuracy and resolution, showing 1 Lux as accuracy and ±7% as resolution. These two values require confirmation and should not be promoted as verified specifications.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 6.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 10.

Supplier technical description

Technical specifications and configuration — supplier wording

Temperature measurement range: -50~100
Humidity measurement range: 0~100%RH °C
Accuracy: ±0.5 / ±5%RH
°C
Resolution: 0.1 / 0.1%RH
Pressure Measu °C ring range: 10~1100hPa
Illumination Measuring range: 0-200000Lux
Accuracy: ±1.5hPa/1Lux
Resolution: 0.1hPa/ ±7%
CO2 Measuring range: 0-2000ppm
Accuracy: ± (40ppm+2%F-S)
Resolution: 1ppm
Power: DC 12V-24V
Output: RS485

Catalogue page 10 — technical data

Parameter	Supplier-stated value / source wording
Options	Temperature | Humidity | Air pressure
Measuring range	-50~100°C | 0~100%RH | 500~1100hPa
Accuracy	±0.5 | ±5%RH | ±0.3hPa
Resolution	0.1°C | 0.1%RH | 0.1hPa
Options	illumination | Co2
MMeeaassuurriinngg rraannggee	0-200000Lux | 0~2000ppm
Accuracy	1Lux | ±(40ppm+2%F•S
Resolution	±7% | 1ppm
Power supply mode	□DC 12V □DC 24V □Other
Output form	□Rs485 □Other
Load resistance	Voltage type: RL≥1K Current type: RL≤300Ω
Working temperature	-50°C ~80°C
Relative humidity	0~100%

Catalogue page 10 — selection / wiring table

Parameter	Supplier-stated value / source wording
Model	P | ower supply | output meth | od | Description
NBL-W-THPLC	Temperature, humidity, barometric Pressure, illumination, CO2 sensors
12V-24V	12V-24V power supply
NBL-W-THPLC — W2	Rs485
Supplier statement	For example: 12V-W2: Sensor12V power supply, RS485 output