PRODUCT DATASHEET
Supplier-provided technical data

SMD temperature sensor





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

SMD temperature 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) 18.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 26.

Supplier technical description

Technical specifications and configuration — supplier wording

Range: -50~100°C/-20~50°C
Accuracy: ±0.5°C
Power: DC 5V/DC 12V/ DC 24V
Output form: 4~20mA/0-5V/RS485
Instrument cable length: Standard: 5 meters
Load resistance: Voltage type: RL≥1K
Current type: RL≤250Ω
Working temperature: -50°C~100°C
Relative humidity: 0~100%RH
Product power consumption: 0.15W

Catalogue page 26 — technical data

Parameter	Supplier-stated value / source wording
Measuring range	□-50~100°C □-20~50°C
Accuracy	±0.5°C
Power supply mode	□DC5V □DC12V □DC24V □Other
Output format	□4~20mA □0~2.5V □0~5V □RS485 Other
Lnstrument cable length	□Standard: 5 meters □Other
Load Resistance	□Voltage type: RL≥1K □Current type: RL ≤ 250Ω
Operating temperature	-50°C~100°C
Relative humidity	0~100%RH
Product weight	Probe 125g
Product power consumption	0.15W

Catalogue page 26 — selection / wiring table

Parameter	Supplier-stated value / source wording
Model	P | ower supply | output met | hod | Description
NBL-W-PPT	SMD temperature sensor
12V-24V	12-24V Powered
NBL-W-PPT — 0	No transmission
NBL-W-PPT — V	0-2.5V
NBL-W-PPT — A1	4-20mA
NBL-W-PPT — W2	Rs485
Supplier statement	Example: 12V-A1:SMD temperature sensor 12V power supply, 4-20mA output