PRODUCT DATASHEET
Supplier-provided technical data

Soil Temperature and Moisture Sensor



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

Soil Temperature and Moisture 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) 19.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 29.

Supplier-stated technical data — quotation

Parameter	Supplier-stated value / source wording
Temperature Range	-40~80 . °C
Resolution	0.1 . °C
Accuracy	±0.5 °C
Moisture Range	0~100%
Resolution	0.1%
Accuracy	±5%
Power supply	DC5V-24V or DC 12-24V
Output	RS485
Protection class	IP68

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Parameter	Supplier-stated value / source wording
Soil temperature range	-40~80°C Resolution: 0.1, Accuracy: ±0.5
Soil moisture range	0-100%RH Resolution: 0.1%RH, Accuracy: 5%
Supply voltage	DC12V-24V □ DC 5v-24V
Signal output	□RS485 □Modbus protocol
Supplier statement	Meamethodsurement principle: soil moisture FDR
Protection class	Ip68 submerged in water for long-term use
Operating environment	-40~85°C
Supplier statement	Probe material: anti-corrosion special electrode
Sealing material	Black flame retardant epoxy resin
Supplier statement	Lnstallation method: all buried or all probes are inserted into the measured medium
Supplier statement	Default cable length: 5 meters, cable length can be customized
Connection method	Pre-assembled cold-pressed terminals
External dimensions	45*15*135mm
Electrode length	50mm