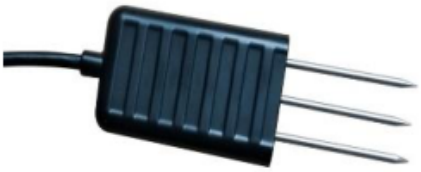
PRODUCT DATASHEET
Supplier-provided technical data

3-in-1 Soil Temperature, Moisture and Conductivity Sensor



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

3-in-1 Soil Temperature, Moisture and Conductivity 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

• EC accuracy differs: catalogue ±3% versus quotation ±5% over 0-10000 µS/cm. Confirm the supplied version rather than choosing the more favourable figure.

Source documents

2026 Product Quotations from NiuBoL-Michelle.pdf — PDF page(s) 19.

Weather Stations and Agriculture Sensors Catalog-NiuBoL.pdf — PDF page(s) 30.

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%
Conductivity Range	0-10000us/cm
Resolution	0-10000us/cm within 1us/cm
Accuracy	±5% within 0-10000us/cm
Power supply	DC5V-24V or DC 12-24V
Output	RS485 Modbus
Protection class	IP68

Catalogue page 30 — technical data

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%
Conductivity range	0-10000us/cm.Accuracy: ±3%
Supply voltage	DC5V-24V □ DC12V-24V
Signal output	□RS485
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