NIUBOL / SUPPLIER PRODUCT

NBL-S-NPK

Soil NPK Sensor



Manufacturer-supplied product imagery. Configuration and accessories may vary.

Product overview

A soil probe that derives indicative N/P/K readings from electrical conductivity. It does not directly measure the chemical concentration of each nutrient. Offered through Adaptive AgroTech.

Selection and commercial terms

Confirm the selected configuration, compatibility, included items, price, availability, delivery and warranty terms in your quotation. Specify required power, output and installation configuration when requesting supply.

Document basis

Compiled by Adaptive AgroTech on 2 November 2026 from the selected supplier technical material and the official sources identified below. This compilation date is not a manufacturer release date. Source-specific conditions and measurement limitations remain applicable.

Technical specifications

Current technical specifications

Supplier-stated N/P/K range	0-2,000 mg/kg
Resolution (source units)	1 mg/kg (mg/L, as printed)
N/P/K indicator accuracy (supplier claim, not chemical-analysis accuracy)	±2% FS
Power supply alternatives	DC 12 V / DC 12-24 V
Output	RS485
Dimensions	45 × 15 × 135 mm
Working temperature	-40 to 85 °C
Sealing material	Black epoxy
Protection class (supplier statement)	IP68

Configuration notes and measurement limits

1. The sensor measures soil electrical conductivity and calculates N/P/K indicators; it does not directly measure the chemical concentrations of individual nutrients.

2. Resolution units are printed as mg/kg(mg/L); confirm the applicable medium and unit.

3. The current sheet specifies 12 V/12-24 V; an earlier catalogue also mentions 5-24 V. Confirm the ordered power configuration.

Source references

[1] Supplied model-specific technical source
https://drive.google.com/file/d/1MoOW9pikalB_PUZlw3HSFmkTdsPspluo/view?usp=drivesdk

[2] Adaptive AgroTech product listing
https://adaptiveagrotech.com/products/niubol-nbl-s-npk