Soil Nutrient NPK Detector Analyzer

Brand **Master Science** | Unit **Pc**

Soil Nutrient NPK Detector Analyzer

The MSSEM2270SWISS Portable Soil Nutrient NPK Detector Analyzer is a robust, high-sensitivity tool designed for efficient soil analysis, featuring a large 3-inch TN LCD screen for real-time readings. It uses advanced detection circuits, ensuring excellent repeatability and sensitivity, and is encased in high-strength industrial composite plastic, providing durability.

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Technical Specifications

PARAMETER	SPECIFICATION
Power Supply	1.5V (3 AA batteries)
Display	3-inch TN LCD
Operating Conditions (Temperature)	-20°C to 50°C
Operating Conditions (Humidity)	Up to 90% relative humidity (non-condensing)
Conductivity (Range)	0-10,000 µS/cm
Conductivity (Resolution)	10 µS/cm
Conductivity (Accuracy)	±3% (0-10,000 µS/cm); ±5% (10,000-20,000 µS/cm)
Soil Moisture (Range)	0-100%
Soil Moisture (Resolution)	0.1%
Soil Moisture (Accuracy)	±2% (0-50%), ±3% (50-100%)
Soil Temperature (Range)	-40°C to 80°C
Soil Temperature (Resolution)	0.1°C
Soil Temperature (Accuracy)	±0.5°C
Soil pH (Range)	3-9 pH
Soil pH (Resolution)	0.1 pH
Soil pH (Accuracy)	±0.3 pH
Soil NPK (Nitrogen, Phosphorus, Potassium) (Range)	0-1999 mg/kg
Soil NPK (Nitrogen, Phosphorus, Potassium) (Resolution)	1 mg/kg

PARAMETER	SPECIFICATION
Soil NPK (Nitrogen, Phosphorus, Potassium) (Accuracy)	±2% Full Scale (F.S)
Communication	RS485, Modbus serial communication protocol
Response Time	Less than 3 seconds
Dimensions	170mm x 93mm x 29mm