

Portable Leaf Area Meter



Portable Leaf Area Meter (Model: MSMBNCSWISS)

Product Overview:

The Portable Leaf Area Meter is a compact and efficient instrument designed for measuring the leaf area and related parameters of plants in the field. This device allows accurate and fast measurement without causing damage to the plant. It is widely used across agricultural, meteorological, and forestry sectors for leaf and plant analysis.

Applications:

- **Agriculture:** For determining leaf area to assist in crop management and growth analysis.
- **Meteorology:** Used in climate studies to monitor plant health and its correlation with environmental conditions.
- **Forestry:** Helps in forest management by measuring the leaf area of trees for ecological studies.
- **Botanical Studies:** Essential for research related to plant growth, photosynthesis,

and overall plant health.

Key Features:

1. **Easy to Operate:** Simple interface using micro-computer technology with an LCD display, making it user-friendly even for non-experts.
2. **Multi-Parameter Measurement:** Measures various leaf parameters such as:
 - o Leaf Area
 - o Average Leaf Area
 - o Length of Leaf
 - o Width of Leaf
3. **Data Management:** Equipped with USB connectivity for linking the device to a computer. The software allows the transfer of data into Excel format for easy analysis, storage, and printing.
4. **Portable Design:** Lightweight and compact, making it ideal for fieldwork and outdoor use.

Technical Specifications:

- **Model:** MSMBNCSWISS
- **Unit:** Millimeter (mm), Square Centimeter (cm²)
- **Precision:** $\pm 2\%$
- **Measuring Length:** 0 to 1000 mm
- **Measuring Width:** 0 to 210 mm
- **Data Capacity:** Can store up to **10,000 groups** of data for extensive measurement tracking.
- **Package Size:** 581 x 251 x 200 mm
- **Gross Weight:** 2.9 kg

Ideal For:

- **Agricultural Researchers:** For studying plant growth patterns and analyzing crop health.
- **Forestry Experts:** To measure leaf area for ecological assessments and forest management.
- **Meteorologists:** For analyzing plant responses to weather patterns and environmental factors.

- **Botanists and Horticulturists:** For studying plant physiology and development in lab or field settings.

This portable leaf area meter is an invaluable tool for professionals in agriculture, forestry, and environmental science, offering a fast and non-destructive way to measure important plant parameters.