Portable Leaf Area Meter, ±2% Precision, 0.01 cm² Resolution, 1000 × 160 mm Leaves, 2000 Records

Model **MSBLAM-1SWISS,MSBLAM-2SWISS** | Brand **Master Science**







The Portable Leaf Area Meter measures leaf area, average area, length, width and length-to-width ratio. It reads in millimeters and square centimeters with ±2% precision and 0.01 cm² resolution, handling leaves up to 1000 mm long, 160 mm wide and 8 mm thick.

KEY HIGHLIGHTS

- Multiple Leaf Measures
- Fine Resolution
- Long Leaves Welcome
- Choice of Data Handling

AT A GLANCE

2,000 groups
DATA CAPACITY

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Up to 2,000 groups of results are stored in the meter. The Portable Leaf Area Meter comes in two versions: Version A works stand-alone without a computer interface, while Version B connects to a PC by USB so data can be converted to spreadsheet format and printed.

Combine leaf size data with nutrient readings from our Plant Nutrition Analyzer alongside the Portable Leaf Area Meter.

Measuring leaves with rulers and graph paper causes the issues below. The Portable Leaf Area Meter fixes each one.

Key Benefits

Multiple Leaf Measures
Area, length, width and ratio from one pass.

Fine Resolution
0.01 cm² resolution with ±2% precision.

Long Leaves Welcome
Measures leaves up to 1000 mm long.

Choice of Data Handling
Stand-alone version or USB-connected version for PC analysis.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSBLAM-1SWISS,MSBLAM-2SWISS
SKU	MSBLAM-1SWISS,MSBLAM-2SWISS
Measured Items	Leaf area, average area, length, width, length/width ratio
Units	mm, cm²
Precision	±2%
Resolution	0.01 cm²
undefined	Max. Leaf Length: ≤ 1000 mm
undefined	Max. Leaf Width: ≤ 160 mm
undefined	Max. Leaf Thickness: ≤ 8 mm
Data Capacity	**2,000 groups**
PC Connection	Version A: none; Version B: USB, spreadsheet export and printing
Package Size	410 × 220 × 160 mm (A); 400 × 220 × 210 mm (B)
Gross Weight	1.8 kg (A); 2 kg (B)

PROBLEMS THE PORTABLE LEAF AREA METER SOLVES	
Slow manual leaf tracing	Area is measured electronically.
Rounding errors	Resolution is 0.01 cm².
Long leaves off the paper	Leaves up to 1000 mm long fit.

DISPLAY & DATA	
Re-typing data	Version B exports data to a PC by USB.

Applications

- **Leaf growth studies in plant physiology**
- **Crop canopy and yield research**
- **Forestry and horticulture measurements**
- **Agricultural teaching labs**

Measurement

- Leaf area and average area
- Length, width and length/width ratio
- ±2% precision, 0.01 cm² resolution
- Leaves up to 1000 × 160 × 8 mm

Data

- 2,000 groups stored
- Version B: USB to PC
- Spreadsheet conversion and printing (Version B)

Design

- Portable handheld unit
- Keypad with LCD
- Units in mm and cm²

Standard Accessories Included

- Portable leaf area meter (Version A or Version B)

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.