Handheld Chlorophyll Meter, 0-99.9 SPAD, ±1.0 SPAD, Leaf Temperature, 2 s Interval, App Data

Model **MSBCHL-BSWISS** | Brand **Master Science**





The Handheld Chlorophyll Meter measures the relative chlorophyll content (SPAD) and surface temperature of leaves without damaging them. Chlorophyll readings help evaluate photosynthetic efficiency and leaf health, supporting plant physiology research and crop management decisions.

KEY HIGHLIGHTS

- Non-Destructive
- Two Readings at Once
- Fast Field Work
- Traceable Data

AT A GLANCE

0.0-99.9 SPAD CHLOROPHYLL RANGE	**10-99.9°C** LEAF TEMPERATURE RANGE
±0.5°C LEAF TEMPERATURE ACCURACY	**±0.2°C** LEAF TEMPERATURE REPEATABILITY

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

It reads 0-99.9 SPAD with ±1.0 SPAD accuracy and ±0.3 SPAD repeatability, plus leaf temperature from 10 to 99.9°C with ±0.5°C accuracy, at intervals of 2 seconds over a 2 × 2 mm area. The Handheld Chlorophyll Meter stores 1,000 readings, links to a mobile app for unlimited storage, sample notes, photos and spreadsheet export, and runs about 5,000 measurements on two 1.5 V dry batteries.

Pair the Handheld Chlorophyll Meter with our Digital Grain Moisture Meter for crop quality checks from field to harvest.

Laboratory chlorophyll extraction causes the issues below. The Handheld Chlorophyll Meter resolves each one.

Overview

- 1,000 readings stored on the meter
- Mobile app with unlimited storage
- Sample name, number, location and photo records
- One-click spreadsheet export

Key Benefits

Non-Destructive
Leaves are measured in place without cutting.

Two Readings at Once
Chlorophyll and leaf temperature are measured together.

Fast Field Work
A new reading every 2 seconds.

Traceable Data
The app records sample details, location and photos.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSBCHL-BSWISS
SKU	MSBCHL-BSWISS
Chlorophyll Range	**0.0-99.9 SPAD**
Chlorophyll Accuracy	**±1.0 SPAD (0-50 SPAD, room temperature)**
Chlorophyll Repeatability	±0.3 SPAD (0-50 SPAD)
Leaf Temperature Range	**10-99.9°C**
Leaf Temperature Accuracy	**±0.5°C**
Leaf Temperature Repeatability	±0.2°C
Measurement Interval	2 s
Measuring Area	2 × 2 mm
Data Storage	1,000 readings on the meter; unlimited in the app
App Functions	Sample name, number, location and photo records; one-click spreadsheet export
Power Supply	2 × 1.5 V batteries, up to 5,000 measurements
Operating Temperature	-10 to 50°C

PROBLEMS THE HANDHELD CHLOROPHYLL METER SOLVES	
Destroying leaves for testing	Readings are taken non-destructively.
Slow lab extraction	Each reading takes 2 seconds.
Missing leaf temperature context	Leaf temperature is measured with chlorophyll.
Handwritten field notes	The app records sample details and exports data.

Applications

Crop growth and leaf health monitoring

Plant physiology research

Optimizing cultivation practices

Forestry and horticulture studies

Agricultural universities and research institutes

Measurement

- 0-99.9 SPAD, ±1.0 SPAD
- Leaf surface temperature 10-99.9°C, ±0.5°C
- 2 × 2 mm measuring area
- 2-second measurement interval

Portability

- Handheld design
- Runs on 2 × 1.5 V dry batteries
- Up to 5,000 measurements per battery set

Standard Accessories Included

- Handheld chlorophyll meter

Optional Accessories

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