



## **Portable Chlorophyll Meter LD-LCPM-A10**

**Labodam Equipment Ltd.**

**[info@labodam.com](mailto:info@labodam.com) | [www.labodam.com](http://www.labodam.com)**

# Portable Chlorophyll Meter LD-LCPM-A10

## Overview

Chlorophyll Meter LD-LCPM-A10 is a handheld meter that offers 0.0 to 99.9 SPAD and -10 to 99.9°C measuring range to assess the chlorophyll concentration in plant leaves. Supplied with 2 LED light sources i.e., red light (650 nm) and infrared light (940 nm) for perfect inspection. Designed with LCD screen, that provides real-time data display with 2×2 mm of measuring area. It can directly measure chlorophyll and nitrogen concentration in the leaf without plucking it.

## Features:

- A compact and portable microprocessor comprised of unit
- 2-wavelength concentration difference of optical measuring methods
- Silicon semiconductor photodiode sensor, for quick and non-destructive detection
- Testing parameters for plant's nitrogen, chlorophyll, leaf structure, and leaf humidity
- Imported with a rechargeable Li-battery allows long and worry-free operation
- 30 KB memory with USB interface, for convenient data processing and storage
- Configured with a memory card that allows data storage capacity of 999 groups, for the management and analysis
- Software program with online upgrade and data visualization via chart or curve
- Automatic calculation of average, reduced operation time
- An optimal unit to measure the relative amount of chlorophyll present in plant leaves

## Applications:

Chlorophyll meter is used to measure chlorophyll content of plants or greenness, leaf temperature, to increase the utilization of nitrogen fertilizer across agriculture, plant biotechnology etc.

## Specifications:

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| <b>Power</b>          | 4.2V -2000Mah rechargeable Li battery                    |
| <b>Memory</b>         | 30 KB                                                    |
| <b>Sensor</b>         | Silicon semiconductor photodiode sensor                  |
| <b>Weight</b>         | 200 gm                                                   |
| <b>Display</b>        | LCD                                                      |
| <b>Controller</b>     | Microprocessor                                           |
| <b>Display mode</b>   | 3 digits measuring value and 2 digits measuring times    |
| <b>Measuring Mode</b> | 2-wavelength concentration difference of optical methods |
| <b>Measuring area</b> | 2×2 mm                                                   |

|                                   |                                    |
|-----------------------------------|------------------------------------|
| <b>Measuring range</b>            | 0.0 to 99.9 SPAD and -10 to 99.9°C |
| <b>Measuring accuracy</b>         | ± 3 SPAD, ± 0.5°C                  |
| <b>Operating Temperature</b>      | -10 to 50°C                        |
| <b>Measuring repeatability</b>    | ± 0.3 SPAD, ± 0.2°C                |
| <b>Minimum Measuring Interval</b> | < 3 s                              |