

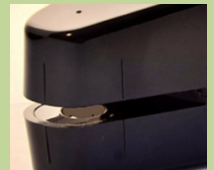


# CHL BLUE

chlorophyll meter



Embossed lines for better grip



Reference point and notches for better alignment of thin leaves



Strap eyelet

### What is it?

**atLEAF** CHL PLUS is a powerful, handheld, easy to use device for noninvasively measuring the relative chlorophyll content of green leaf plants. Chlorophyll content can be an indicator of the plant's condition.

### How it works?

Plant chlorophyll content is measured by inserting a leaf into the device aperture. Green leaves of up to 0.1 inch (3mm) thickness can be measured. It only takes one press of the key to perform a basic measurement.

By utilizing the four atLEAF CHL BLUE keys you can:

- assign species names to the measurements; device can store up to 490 names
- view up to 9,554 measurements stored in the device's memory
- delete the most recently performed measurement
- delete all measurements
- transfer plant names to the device or measurements to a computer using the USB mode
- remotely command device and acquire measures through the Bluetooth connection
- display sensor temperature in °F and °C
- display time<sup>(\*)</sup>
- perform and show average on selectable number of stored measurements
- modify multiplication factor and offset for measures<sup>(\*)</sup> allowing e.g. device to output the measures in SPAD units
- each performed measure has associated device time and sensor temperature<sup>(\*)</sup>

## Great Quality... Low Price

for

- The agronomist researcher
- The lab technician
- The agriculturist
- The floriculturist

MEASUREMENTS VALUES:	0 ... 99.9 atLEAF units
ACCURACY :	-0.6 ... +0.5 atLEAF units
REPEATABILITY ON A GREEN PLANT :	50.2 ± 0.1 (std dev 0.054)

### Specifications

Measuring System	Optical density difference at 2 wavelengths (640nm and 940nm)
Keys	4 keys to operate all functions; simple, one-key operation to perform measurements only
Display	2 lines x 16 characters
Data Memory Capacity	<ul style="list-style-type: none"> <li>• 9,554 measurements composed by value, name, temperature<sup>(*)</sup> and acquisition time<sup>(*)</sup></li> <li>• 490 names up to 32 characters long (28 characters displayed)</li> </ul>
Power Source	2 AA (1.5V) batteries
Battery Life	5,000-30,000 measures, depending on use and battery type
Time to perform a measure	Less than 1 sec
Dimensions (W x D x H)	6.9 x 2 x 1.8 inches (175 x 50 x 45 mm)
Weight	175g (6.2 oz)(not including batteries)
Interface	<b>USB with FREE software for Windows Bluetooth® Low Energy (BLE) with FREE App for Android &amp; iOS</b>
Auto power off	after 1 minute of inactivity (4 minutes in USB mode)



### Content of the box:

- atLEAF CHL BLUE meter
- Two AA batteries
- USB cable
- Printed User Manual

Buy it at **agtec.com**

Agtec LLC  
 125 Mayo Road  
 Hampden, ME 04444  
 Tel: (207)692-0700  
 email: sales@agtec.com

<sup>(\*)</sup> atLEAF FREE App or atLEAFSoft PRO sw is required to download temperatures and to sync date & time

Each atLEAF CHL BLUE device is assembled, tested and calibrated in the United States.





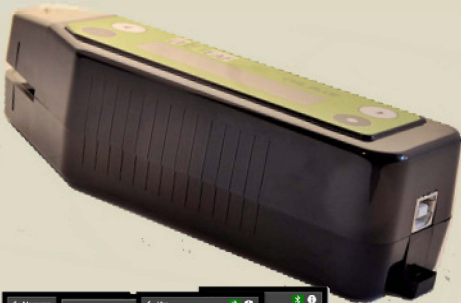
## Stand-alone

- Acquire, store and view up to 9,554 measurements
- Perform measure with average value on up to 200 acquisitions
- Calculate average on the stored measures
- View sensor temperature in °F and °C
- View device time
- View device status

## USB mode

- Connect device to a PC with the FREE atLEAFSoft Windows® software
- Download measures to PC
- Upload up to 490 measure names to device
- Calibrate the device
- Show device status

*The PRO atLEAFSoft Windows® software displays measures in forms of tables, graphs, and spider graphs. It calculates and displays statistics on measures, remotely commands device, and acquires and displays measures in real-time. It will also synchronize the date and time on device and read sensor temperature associated with the measures.*



## Bluetooth® mode

- atLEAF App available for FREE allowing user to:
- Connect atLEAF BLUE with mobile device
  - Create groups with field (also on map), type and number of seeding definition
  - Define names of measures
  - Perform remote measures on device and download them with sensor temperature
  - Associate the mobile location to each measure, display acquired measure on map or on a list
  - Show measures on map
  - Display measures as tables or graphs
  - Show measure statistics for defined groups
  - Synchronize/read date & time on device
  - Weather, forecast data, unit conversions and atLEAF CHL values conversions

