

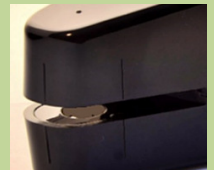


CHL BLUE

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^(*)
- perform and show average on selectable number of stored measurements
- modify multiplication factor and offset for measures^(*) allowing e.g. device to output the measures in SPAD units
- each performed measure has associated device time and sensor temperature^(*)

Great Quality... Low Price

for

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

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"> • 9,554 measurements composed by value, name, temperature^(*) and acquisition time^(*) • 490 names up to 32 characters long (28 characters displayed)
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	USB with FREE software for Windows Bluetooth® Low Energy (BLE) with FREE App for Android & iOS
Auto power off	after 1 minute of inactivity (4 minutes in USB mode)

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)



Content of the box:

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

Buy it at **atleaf.com**

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 Wilmington, DE 19801
 Fax: (302)309-0038
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^(*) 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.



atLEAF CHL BLUE Working modes



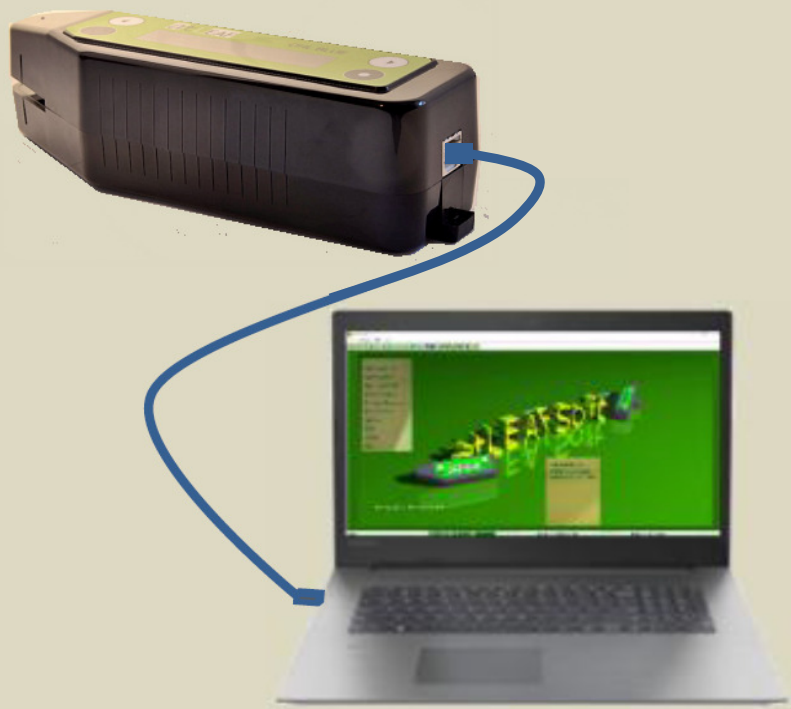
Stand-alone

- 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.



Download on the **App Store**

GET IT ON **Google Play**

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