

## AST-SL Handheld Leaf Area Meter



### Main Unit Introduction:

The SL series live leaf area meter is a newly developed product. It is a portable instrument that is easy to use and suitable for fieldwork. It can accurately, quickly, and non-destructively measure the leaf area and related parameters of leaves, and can also measure the area of harvested plant leaves and other sheet-like objects. It is widely used in agriculture, meteorology, forestry, and other fields.

The instrument can directly measure leaf length, width, and area, and integrates GPS positioning and a 4G wireless transmission system. It also features a Type-C interface, allowing measurement data and location information to be simultaneously imported into computers and cloud data platforms, facilitating further data processing by researchers.

### Features of the Live Leaf Area Meter/Leaf Area Analyzer:

- 1) Integrated main unit and probe design for easier operation.
  - 2) Utilizes microcomputer technology and a large LCD display.
  - 3) High-performance, high-capacity battery, no external power supply required, low-voltage display, continuous measurement, making it more suitable for fieldwork.
  - 4) Can measure a large leaf area ( $2000*155\text{mm}^2$ ) in a single measurement.
  - 5) Can store 5000 sets of data.
  - 6) Measures multiple leaf parameters: leaf area, leaf length, and leaf width.
  - 7) Built-in calibration module allows users to calibrate according to different usage environments.
  - 8) Communication interface: Type-C interface, allowing data import to a computer. (This function is only available for models B and G.)
  - 9) GPS positioning: Integrated high-speed GPS positioning module; uploaded data includes time and latitude/longitude information for more efficient data processing. (This function is only available for model G.)
  - 10) 4G wireless transmission: Measurement data can be uploaded to the cloud platform in real time. Users can view measurement time, leaf area, and other data; perform line graph analysis on different parameters; export data in Excel format; print data online; display data according to selected time periods; analyze data in tables and line graphs; and download data online. (This function is only available on Model G)
- Meter/Leaf Area Analyzer:

- (1) Area Unit:  $\text{cm}^2$
- (2) Resolution:  $0.01\text{cm}^2$
- (3) Measurement Accuracy:  $\pm 2\%$

(4) Width Range: 0~155mm

(5) Length Range: 0~2000mm

(6) Data Recording: 0~5000 sets

(7) Power Supply: Lithium battery (built-in) 5000mA + (external, replaceable) 1400mA

Quality Assurance:

1. All goods provided by the company are original and genuine.
2. Company after-sales service hotline: 0536-2106521. We will reply to you within 12 hours of receiving your call and do our best to resolve all your questions and concerns.
3. One-year warranty. Replacement or repair will be provided for major quality problems within three months. One-year warranty, no charges during the warranty period. Lifetime repair service is provided; only cost fees will be charged after the warranty period. Our company can provide excellent technical support and preferential supply of spare parts over the long term.