

FULLY AUTOMATIC PORTABLE LEAF AREA METER

PRODUCT DESCRIPTION

LABWAN Fully Automatic Portable Leaf Area Meter is designed for quick, accurate, and convenient measurement of leaf area and related parameters. Its portable and automatic operation makes it suitable for efficient plant and crop analysis.



FEATURES

- **Measurement Function:** Measures blade length, width, aspect ratio, perimeter, area, shape factor, ambient temperature, etc.
- **Bluetooth App Function:** Transfers data, upgrades hardware programs, and returns longitude and latitude to the instrument.
- **Data Viewing:** Historical data and blade shapes stored in the equipment memory can be browsed.
- **Time Function:** Time and date functions record the measurement time with measurement data.
- **Transmission Function:** Type-C data and charging interface for data transmission and charging; universal mobile phone cable, driver-free.
- **Power Supply Function:** Low-voltage and low-power consumption design with rechargeable lithium-ion battery; continuous working time up to 16 hours.
- **Portable Function:** Highly integrated, easy to operate, and suitable for indoor and outdoor use.

APPLICATION/USES

- Leaf area measurement for plant and crop research.
- Leaf growth and development analysis.
- Agricultural and botanical studies.
- Laboratory, greenhouse, and field applications.

Technical Specifications	
Parameter	Specification
Product Name	Fully Automatic Leaf Area Meter
Model Number	LWAL-10M
Operation Humidity	0%~100%RH (Frost free)
Working Temperature	0~40 °C
LCD	480*854 RGB Chinese interface display
Battery	5AH, rechargeable lithium-ion battery, 16h endurance
Max Scan Length	3000 mm
Max Effective Scanning Width	210 mm
Scanning Speed	150 mm/s

Sensor	Photosensitive sensor, magnetic rotary encoder	Battery	5AH, rechargeable lithium-ion battery, 16h endurance
Measure Parameter	Unit of measure: mm, mm ² Max scan length: 3000 mm	Working Temperature	0~40 °C
	Max effective scanning width: 210 mm Scanning speed: 150mm/s Accuracy of area measurement: <±2% FULL	Operation humidity	0%~100 %RH (Frost free)
	Length resolution: 0.1 mm Width resolution: 0.1 mm Max measured thickness: ≤6.5 mm	LCD	480*854 RGB Chinese interface display
		Interface	Type-C Data interface/charging interface
		Internal Memory	Interior storage: stored with 1000 groups of measurement data; Extended storage: 29G, large storage space
		Overall Dimensions	420*50*54 mm