



KLABS Chlorophyll Meter



Product Description

KLABS KCM-100 Chlorophyll Meter is able to measure chlorophyll content of plants and leaf temperature. Chlorophyll content and leaf nitrogen content have a very close relationship. Thus, chlorophyll content can reflect plants demand for nitrogen. Using the instrument can do go to put nitrogen fertilizer reasonably, improve utilization of nitrogen and protect environment.

Features

- Measures chlorophyll content and leaf temperature
- Helps in nitrogen management and crop optimization
- Fast measurement with < 3 seconds response time
- Portable and lightweight design
- Accurate and repeatable results
- PC connectivity for data analysis

Applications & uses

- Agriculture and crop monitoring
- Plant chlorophyll analysis
- Fertilizer optimization
- Research and laboratory use
- Environmental monitoring
- Measuring chlorophyll content in plant leaves
- Monitoring plant health and nutrient status
- Estimating leaf nitrogen levels indirectly
- Optimizing fertilizer application in agriculture
- Improving crop yield and productivity
- Conducting plant physiology and agronomy studies
- Field-based plant analysis and research



KCM-100

Technical Specifications

Parameter	Specification
Product Name	KLABS KCM-100 Chlorophyll Meter
Model Number	KCM-100
Measuring Parameter	Chlorophyll Content (SPAD), Leaf Temperature
Model	KCM-100
Measuring Area	2 mm × 2 mm
Measuring Mode	2-wavelength concentration difference of optical methods
Sensor	Silicon semiconductor photodiode
Display	3-digit LCD (measurement), 2-digit LCD (count)
Measuring Interval	< 3 seconds
Measuring Range	0.0 – 99.9 SPAD
Temperature Range	-10 ~ 99.9°C
Accuracy	±3.0 SPAD; ±0.5°C
Repeatability	±0.3 SPAD; ±0.2°C
Operating Temperature	-10 ~ 50°C
Power Supply	4.2V – 2000mAh rechargeable Li battery
Memory Capacity	30KB (auto average calculation)
Weight	200 grams
Connectivity	With software, can connect to PC for data reading & management