



ACCUPAR LP-80 PAR-LAI CEPTOMETER

METER



Accurate PAR and LAI analysis in real time

Backed by 15 years of research, the LP-80 is one of the most trusted and relied upon instruments among crop scientists, ecologists, and foresters. Why? One of the main reasons is because it uses radiation measurements and other parameters to accurately calculate leaf area index (LAI) in real time, so you can be confident your data is right while in the field. And because the methodology is mostly automated, it spares you from intensive hand labor, saving you time. The LP-80's low cost also saves your entire budget from evaporating.

The LP-80's included external PAR sensor can be used to make simultaneous above- and below-canopy PAR measurements as a reference for intercepted light in clear, partly cloudy, or even overcast sky conditions. No wonder it's relied on for publishable measurements year after year.

The LP-80 costs less than competitor instruments that make the exact same measurements. It weighs less as well. 0.5 kg; it's not only lightweight, but smaller and self-contained, so it's easier to carry around. And because the display is integrated with the measurement wand, you aren't burdened by having to bring a separate instrument to read data. There aren't any complex sets of buttons or screens to navigate either, allowing the LP-80 to provide the most value for less everything.

Features

- Measures canopy PAR
- Automatically calculates Leaf Area Index in real-time
- Lightweight
- Self-contained
- Powered by four AAA batteries
- Can log data unattended for short periods of time
- Stores over 2,000 readings for later download and analysis
- Above-canopy sensor enables simultaneous above- and below-canopy PAR measurements





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Specifications

MEASUREMENT SPECIFICATIONS

Probe PAR sensors	Range: 0-2500 $\mu\text{mol}/(\text{m}^2\text{s})$ Resolution: 1 $\mu\text{mol}/(\text{m}^2\text{s})$
External PAR sensor	Range: 0 to 4,000 $\mu\text{mol}/(\text{m}^2\text{s})$ (full sunlight $\sim 2,000 \mu\text{mol}/[\text{m}^2\text{s}]$) Resolution: 1 $\mu\text{mol}/(\text{m}^2\text{s})$ Accuracy: $\pm 5 \%$
Unattended logging interval	Between 1 and 60 min (user selectable)

PHYSICAL SPECIFICATIONS

Power	4 AAA batteries, included
Data storage	1 MB flash memory
Operating temperature range	Minimum: 0 °C Maximum: 50 °C
Operating relative humidity range	Minimum: 0% Maximum: 100%
Controller dimensions	Length: 15.8 cm Width: 9.5 cm Height: 3.3 cm Weight: 0.55 kg with batteries
Probe dimensions	Length: 86.5 cm Width: 19 mm Height: 9.5 mm
External sensor dimensions	Height: 27 mm Diameter: 24 mm
External sensor	Number: 1 Type: Apogee SQ110 photosynthetically active radiation sensor
Probe sensors	Number: 80 Type: Apogee SQ110 photosynthetically active radiation sensor
External PAR sensor	Locking 5-pin sealed circular connector on 5-m cable
Computer interface	Locking 5-pin sealed circular connector to RS-232 cable
OTHER	
Compliance (CE Mark)	Manufactured under ISO 9001:2015EM ISO/IEC 17050:2010



BILMAR BİLİMSEL ARAŞTIRMA VE MÜHENDİSLİK ANONİM ŞİRKETİ

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