

At a glance

AccuPar LP-80 Ceptometer

The AccuPAR model LP-80 is a menu-driven, battery-operated linear PAR ceptometer, used to measure light interception in plant & forest canopies, and to calculate Leaf Area Index (LAI). It consists of an integrated microprocessor driven datalogger and probe. The probe contains 80 independent sensors, spaced 1 cm apart. The photosensors measure PAR (Photosynthetically Active Radiation) in the 400-700nm waveband. The AccuPAR is lightweight, self-contained, and perfect for non-destructive, real-time measurements of PAR and LAI.

Specifications

PAR range: $0 > 2,500 \mu\text{mol m}^{-2}\text{s}^{-1}$

Resolution: $1 \mu\text{mol m}^{-2}\text{s}^{-1}$

Operating environment: $0-50^\circ \text{C}$ ($32-122^\circ \text{F}$) $0-100\% \text{RH}$

Probe length: 86.5 cm (34.05 in)

Number of sensors: 80

Overall length: 102 cm (40.25 in)

Microcontroller dimensions: 15.8 x 9.5 x 3.3 cm (6.2 x 3.75 x 1.3 in)

Minimum spatial resolution: 1 cm

Data storage capacity: 1 MB Flash

Unattended logging interval: User selectable, between 1 and 60 minutes

Instrument weight (w/ batteries): 0.55 kg (1.21 lbs)

Data retrieval: direct via RS-232

Interface cable: RS-232 cable (included)

Software: LP-80 Utility Program (included)

Power: Four type "AAA" batteries (included)

External PAR sensor connector: Locking 5-pin sealed circular connector

