

TECHNICAL SPECIFICATION



LaiPen LP 110

MEASUREMENT

Parameters	Leaf Area Index (LAI) Photosynthetically Active Radiation (PAR)
View restricting cap	Horizontal field of view: 112° Vertical field of view: 16°
Foliage inclination of measurement	View angles: 0°, 16°, 32°, 48°, 64°

DETECTOR

Type	PIN photodiode with bandpass filters
Wavelength range	From 400 to 500 nm for LAI From 400 to 700 nm for PAR

DATA STORAGE AND TRANSFER

Internal memory capacity	Up to 16 Mb
Internal data logging	Up to 100,000 measurements
Data transfer	USB cable Bluetooth (transfer up to 3 Mbps for distance up to 20 m)
PC software	FluorPen 1.1 (Windows 7 and higher)

BATTERY

Type	Li-Ion rechargeable battery
Capacity	2600 mAh
Max. charging current	0.5 A
Charging	Via USB port - PC, power bank, USB charger, etc.
Battery life	48 hours typical with full operation Low battery indicator

OTHER

Display	Graphical display
Keypad	Sealed, 2-key tactile response Turns off after 5 minutes of no use
Built in GPS module	Ultra-high sensitivity down to -165 dBm High accuracy of <1.5 m in 50 % of trials
Size	120 x 57 x 30 mm
Weight	180 g

Operating conditions	Temperature: 0 to +55 °C Relative humidity: 0 to 95 % (non-condensing)
Storage conditions	Temperature: -10 to +60 °C Relative humidity: 0 to 95 % (non-condensing)
Warranty	1 year parts and labor