

CI-203

■ Handheld Laser Leaf Area Meter

The CI-203 Laser Leaf Area Meter is the most portable and easy-to-use instrument of its kind. This rugged instrument non-destructively measures leaf area, length, width, and perimeter, plus counts voids and calculates geometric shape factor and ratio. A leaf image is reconstructed from the scanner data, providing verification of the scan quality in the field.

The CI-203 can perform for hours at a time in the field, and data is easily transferred to a computer by SD card or USB connector. The CI-203 is virtually maintenance free with no servicing required under normal conditions.



Product Features

- ▶ **Portability:** The high-resolution laser scanner, data logger and display are enclosed in a single handheld unit weighing only 975g, making it the preferred choice for non-destructive measurements in the field
- ▶ **Ease of Use:** Simply sweep the CI-203 over a leaf of any length to instantly yield seven measurement parameters on the graphic display
- ▶ **Image Verification:** The CI-203 is the only laser leaf area meter that allows the researcher to see graphical outline of each leaf scanned to verify a successful scan
- ▶ **GPS tagging:** Automatically adds location to each data set
- ▶ **Data Download:** Data is available to download via USB or removable SD card
- ▶ **Daylight visible screen:** The CI-203 is easy to use in bright sunlight conditions

Measuring thickness	3 cm maximum
Measuring width	15 cm maximum
Measuring length	300 cm maximum
Resolution	0.01 cm ²
Accuracy	± 1% for samples >10 cm ²
Interface	USB 2.0
Scanner	670 nm LASER
Memory size	Virtually unlimited

Dimensions	35.5L x 4.5W x 5H cm
Weight	975 g
Display	Transflective graphic
Scanning speed	200 mm / second
Battery	7.2 volt rechargeable NiMH
Battery capacity	Over 250 scans per charge
Operating temperature	0 – 50 °C