CID Bio-Science INC.
Tools that work where you work.

Specifications Document

CI-202

Portable Laser Leaf Area Meter

The CI-202 Portable Laser Leaf Area Meter is the industry standard among palette-style leaf meters. It measures leaf area, length, width, and perimeter and calculates geometric shape factor and ratio. The CI-202 is easy to use right out of the box and measurements are accurate, precise and repeatable.

The CI-202 can perform for hours at a time in the field, and data is easily transferred to a computer with the supplied USB connector. The CI-202 is virtually maintenance free with no servicing required under normal conditions.

Product Features

- **Portability:** The CI-202 can be used for leaf area measurement on the plant or on detached leaves. The high-resolution laser scanner and palette weigh less than 2kg combined
- **Ease-of-Use:** The CI-202 is the easiest leaf area meter on the market to use. Simply sweep the CI-202 over the leaf to instantly yield six measurement parameters (area, length, width, perimeter, geometric shape factor, and ratio)
- **Flexibility:** Delicate tissues, compound leaves, and other difficult-to-handle leaf types can be gently arranged under the protective plastic cover. The instrument has also been used to measure cutouts, feathers, shells of marine species, and live bats, among other non-plant applications
- **Simplicity:** The CI-202 uses a standard USB connector for both charging and data download
- **Daylight visibility:** The CI-202 is easy to use in bright light conditions
- **Reputability:** The CI-202 is frequently cited in the Materials & Methods sections of peer-reviewed publications

Measuring thickness	1.5 cm maximum
Measuring width	15 cm maximum
Measuring length	36 cm
Resolution	0.01 cm^2
Accuracy	± 1% for samples >10 cm^2
Interface	USB 2.0
Scanner	670 nm LASER
Memory size	8,000 measurements

Display	16 characters × 2 lines LCD
Scanning speed	200 mm / second
Battery	7.2 volt rechargeable NiMH
Battery capacity	Over 250 scans per charge
Operating temperature	0 – 50 °C
Dimensions	38.5L x 29W x 12.5H cm
Weight	1,500 g