

CI-710

Miniature Leaf Spectrometer

Portable pigment measurement

Weighing less than 300 grams, the CI-710 Miniature Leaf Spectrometer can travel with you anywhere to measure light transmittance, absorbance, and reflectance of leaves. Light is detected by this full visible-range spectrometer as it interacts with the leaf. The included SpectraSnap! Software allows researchers to analyze multiple, discrete peaks across a spectrum of 400-950 nm and rapidly estimates vegetation properties with indices including: Normalized Difference Vegetation Index (NDVI), Anthocyanin Reflectance Index (ARI), Plant Senescence Reflectance Index (PRSI), Water Band Index (WBI), and many more.

Product Features



- ▶ Light-weight and portable
- ▶ Real-time, non-destructive spectroscopic measurements
- ▶ Highly sensitive spectrometer
- ▶ Broad, visible-range spectrum (400-950 nm)
- ▶ Tablet computer powers the device and displays SpectraSnap! measurement software
- ▶ Includes tablet, software, operational manual, and hard-shell carrying case

Applications

- ▶ Ecologists use the CI-710 to compare changes in pigments across elevations.
- ▶ Plant Physiologists use the CI-710 to measure changes in reflectance indices throughout the season.
- ▶ Educators use the CI-710 to non-destructively demonstrate spectral measurements of leaves.



To see a full list of application resources including published research with the **CI-710 Miniature Leaf Spectrometer**, please visit:

www.cid-inc.com/applications

