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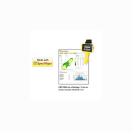
# FieldScout CM1000 Chlorophyll Meter

#### **Product Images**









### **Short Description**

Keep on top of plant health. Detects plant stress before there are any visual clues - giving you time to take action.

#### **Description**

Based on an exclusive patent license from NASA, "Point-and-shoot" technology instantly measures relative chlorophyll content to detect stress earlier than visual monitoring.

- Laser guides outline the edges of the measured sample area
- Calculates and displays a running average for multiple readings
- Connects to any GPS receiver with serial output option (GPS interface requires two cables. The GPS/DGPS cable (item SI-2950CV5) is available separately. A PC serial interface cable supplied by the manufacturer of the GPS receiver is also required).
- Equipped with internal data logger and RS-232 port
- Records 3,250 measurements (1,350 with added GPS/DGPS option)
- Configure and download meter with FieldScout software (not included)
- Includes hard carrying case and batteries.

YouTube video explaining how research from NASA is used under exclusive license in the FieldScout CM1000.

## **Additional Information**

Brand	Spectrum Technologies
Contents	CM1000 Meter and hard carrying case.
Power	Battery only
Outdoor Unit	<ul> <li>Measurement Sample: Plant leaves, turf grass canopy</li> <li>Measurement System: Reflectance; Ambient and reflected 700 nm and 840 nm light are used to calculate the relative chlorophyll index</li> <li>Measurement Area: Conical viewing area between 12 and 72 in</li> <li>Minimum Distance: 12 in (30.5 cm) from lens</li> <li>Maximum Distance: Accuracy is unknown beyond 72 in from lens. Distance From Lens / Sample Area (Diameter): 12 in (30.5 cm) / 0.53 in (1.35 cm), 18 in (45.7 cm) / 1.21 in (3.07 cm), 48 in (1.22 m) /4.65 in (11.8 cm)</li> <li>Receptor: (4) photodiodes; (2) for ambient light and (2) for reflected light from the sample (leaf)</li> <li>Measurement Units: Index of relative chlorophyll content; 0 to 999</li> <li>Measurement Interval: 2 seconds per measurement</li> <li>Repeatability: ±5% of reading.</li> <li>Spectrum PC cables connect to a 9-pin serial port. USB-Serial adapter (SI-3661USB) required for connection to computers with only USB ports.</li> </ul>
Batteries	Battery/Life: 2 AAA batteries (included); approx. 3,000 measurements
Software	Configure and download from the CM1000 with FieldScout software (SI-2950S sold separately).
Typical applications	Environmental (Outdoor), Field Research