

# Chlorophyll Concentration Meter

CCM 200



The CCM 200 measures an area more than 10x larger than the Minolta SPAD 502 meter and uses a spectrally defined transmission ratio.

## Specifications

<b>Measured parameters</b>	Ratio of optical transmission at 653 nm (25 nm half-bandwidth) divided by transmission at 931 nm (50 nm half-bandwidth).
<b>Measurement area</b>	0.11 in <sup>2</sup> , 3/8 inches dia. circle
<b>Resolution</b>	± 0.1 Chlorophyll Concentration Index (CCI) Unit
<b>Range</b>	0 to 200
<b>Sample acquisition time</b>	2-3 seconds
<b>Radiation source</b>	Two LEDs
<b>Detectors</b>	Two silicon photodiodes with integral amplifiers
<b>Storage capacity</b>	Internal datalogging of over 4,000 measurements
<b>User interface</b>	16 x 12 alphanumeric LCD, 4 keys for control and data manipulation, beep-signal for status and warnings.
<b>Output</b>	RS-232 automatic transfer with PC software included.
<b>Operating temperature</b>	0-50 °C
<b>Temperature drift</b>	Temperature compensated source and detector circuitry for minimum drift over full range.
<b>Input power</b>	Standard 9V alkaline battery
<b>Dimensions</b>	15.0 x 8.2 x 2.5 cm
<b>Mass</b>	220 g (with battery)
<b>Warranty</b>	1 year parts and labor