

SPAD 502 Chlorophyll Meter

The SPAD 502 Chlorophyll Meter instantly measures the amount of chlorophyll or "greenness" of your plants. Nitrogen needs can be assessed by comparing in-field SPAD readings to adequately fertilized check or reference strips. This allows you to adjust your nitrogen program to actual plant needs and reduce yield-limiting deficiencies or costly over-fertilizing. The SPAD 502 features an optical measurement system offering density difference at two wavelengths with a measurement area of 2mm x 3mm (approximately 3/32" x 1/8"). The meter has two LED light sources, silicon photodiode receptor and space for 30 data sets.



The SPAD 502DL includes built-in data logger, so you can compile SPAD readings for statistical analysis and an RS-232 port for communicating with a PC and/or portable GPS receiver. Use geo-referenced data to correlate N measurements to yield maps or download the data into mapping software. This robust field-data collection device has a capacity of 1,488 measurements when coupled with a GPS receiver or 4,096 measurements when used without GPS. Requires software running on Windows 3.1 or higher. GPS/DGPS cable required for geo-referenced operation. Repeatability within ±0.3 SPAD value between 0 and 50. Includes 2 AA alkaline batteries (1.5V). Net wt: 1 lb, Ship wt: 2 lbs, Ship dims: 10" (L) x 7" (W) x 6" (H).

SPAD 502 Chlorophyll Meter without Data Logger	No. 2900P
SPAD 502 Chlorophyll Meter with RS-232 Data Port and Built in Data Logger (Including Software).....	No. 2900PDL
GPS/DGPS Cable for SPAD502 and SPAD502PDL Chlorophyll Meter.....	No. 2900C

Seedburo UV Meter

Monitor critical UV (ultra violet) radiation. This portable hand-held meter provides a measure of the UV filtering capacity of transparent plastic and glass barriers used below electric lamps. The 250–400 nanometer (nm) range has crop-specific response on growth and physiologic processes. This range includes harmful UV light (UVB) which affects plant color. Meter features a digital LCD display and is powered by a 9V Alkaline battery (included). Net wt: 8 oz, Ship wt: 1 lb, Ship dims: 8" (L) x 6" (W) x 4" (H).



Range: 0 to full sunlight
Measurement range: 250–400nm (in units $\mu\text{mol m}^{-2}\text{s}^{-1}$)
Temperature response: 32°F–122°F (0°C–50°C)

Seedburo UV Meter	No. 3414
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Seedburo Quantum UV Meter

Quantum sensors measure light energy at the specific wavelengths plants actually use for photosynthesis. Research indicates that older lux and foot-candle meters could have error rates up to 45% when used to estimate light quantum available for plant growth. The Quantum Meters measure Photosynthetic Photon Flux (PPF) as $\mu\text{mol m}^{-2}\text{s}^{-1}$ for Photosynthetically Active Radiation (PAR) in the range of 400–700 nm. Quantum meters can be used in the field, laboratory, above or below plants, in growth rooms and greenhouses. Meter features a digital LCD display. Powered by a 9V Alkaline battery (included). Actual dims: 5" (L) x 2.8" (W) x 1" (H), Net wt: 8 oz, Ship wt: 1 lb, Ship dims: 8" (L) x 6" (W) x 4" (H).



Range: 0 to full sunlight
Measurement range: 250–400nm (in units $\mu\text{mol m}^{-2}\text{s}^{-1}$)
Temperature response: 32°F–122°F (0°C–50°C)

Quantum Light Meter	No. 3415
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Temperature - Humidity - CO2 Monitor

This monitor is ideal for providing the temperature, humidity and CO2 from indoor air quality (IAQ) in an office, warehouse, seed storage or greenhouse areas. Measures the ambient temperature, relative humidity (RH), dew point, wet bulb temperature and the CO2 levels. Adjustable high and low volume audible alarm levels. Min/Max memory +data hold feature. Ambient Temp: 14°–140° F (-10° to 60° C), Resolution: 0.1°, Accuracy: ± 0.9°F. (±0.6°C), CO2 measurement range/resolution: 0–5000ppm/1 ppm. Powered with four AA alkaline batteries (included). Net wt: 1 lb, Actual dims: 8.2" (L) x 2.8" (W) x 2.2" (H), Ship wt: 2 lbs, Ship dims: 12" (L) x 10" (W) x 5" (H).



Temperature Humidity CO2 monitor	No. CDM77535
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Traceable Digital Thermometer

This max/min thermometer is perfect for indoor or outdoor, easy-to-read display shows high, low and current temperature, available in Fahrenheit or Celsius. Each unit is supplied with a serial-numbered certificate provided from ISO 17025, mounting tape, pre-cut Velcro® squares, and AAA battery. Temperature range: -13 to 158°F (-25 to 70°C). Accuracy: ±0.1°C. Net wt: 8 oz, Actual dims: 3 1/2" (L) x 3/4" (W) x 4 1/4" (H), Ship wt: 1 lb, Ship dims: 12" (L) x 3" (W) x 10" (H).



Traceable Digital Thermometer, -25 to 70°C.....	No. 314C
Traceable Digital Thermometer, -13 to 158°F.....	No. 314F