



CARDY TWIN EC METER

The Cardy Twin EC Meter offered by Seedburo measures the conductivity of soluble salts on plant growth. Conductivity (or EC) is the measure of total dissolved salts in a solution, the factor that influences a plant's ability to absorb water. In horticultural applications, monitoring of salinity helps manage the effects of soluble salts on plant growth. EC is a meaningful indicator of water quality, soil salinity and fertilizer concentration. This ultra slim meter features push-button auto-calibration, automatic temperature compensation and a salinity conversion from 0% to 1.1%. Incl.: batteries, case, solution and instructions. Net wt. 1 lb. Ship wt. 2 lbs. Dims 10" L x 8" W x 3" H. Range: 0-199 $\mu\text{S}/\text{cm}$; 0-19.0 mS/cm ; Resolution: 1 $\mu\text{S}/\text{cm}$, 0.01 mS/cm ; Accuracy: $\pm 2\%$

Cardy Twin EC Meter	No. 2205
Cardy Twin EC Refill Solution	No. 2210
Replacement Sensor	No. 2242



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 the risk of 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 (approx. 3/32" x 1/8"). The meter has a two LED light source, silicon photodiode receptor and space for 30 data sets. 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. Dims 10" L x 7" W x 6" H.

SPAD 502 Chlorophyll Meter	No. 2900
RS-232 Data Port (factory installed)	No. 2901
Software (IBM) - includes PC cable	No. 2902



QUANTUM LIGHT METER

Seedburo offers an affordable meter to accurately measure radiation for plant growth. The Quantum meter measures Photosynthetically Active Radiation (PAR). The meter can be used for individual leaves, single plants or whole plant communities. Ideal for growth rooms and greenhouses, the meter approximates radiation between 400 and 700 nanometers PAR as $\mu\text{mol m}^{-2}\text{s}^{-1}$ (Range: 0-2000 $\mu\text{mol m}^{-2}\text{s}^{-1}$). Many plant problems, particularly in greenhouses, can be traced to poor or improper lighting. Meter features a digital LCD display. Powered by a 9V alkaline battery (incl). Meter Dims. 5" H x 2.8" W x 1" D. Net wt. 8 oz. Ship wt. 1 lbs. Dims 8" L x 6" W x 4" H.

Operating Environment:	32° to 122°F (0° to 50°C)
	32° to 86°F < 80% RH up to 30°C
	32° to 122°F < 70% RH up to 50°C

Quantum Light Meter	No. 3415
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SEEDBURO UV METER

The Seedburo UV meter is useful for determining UV (ultra violet) rays, particularly the UV filtering capacity of transparent plastic and glass barriers used below electric lamps. Plants use some types of radiation more than others. Certain wave lengths can be detrimental to development. The 280 to 315 nanometer (nm) range has crop-specific response on growth and physiologic processes. This range includes harmful UV light (UVB) which affects plant color. Sensor response to the UVB range is less than the UVA range of 320 to 400 nm which begins the process of chlorophyll absorption, influences photoperiodism and inhibits cell elongation. Meter features a digital LCD display and is powered by a 9V 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 to 400nm (in units $\mu\text{mol m}^{-2}\text{s}^{-1}$)
Temperature response:	32°F to 122°F (0°C to 50°C)

Seedburo UV Meter	No. 3414
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