



spectroradiometers



Model SPEC-PAR/NIR

MODEL SPEC-PAR/NIR

RANGE: 350 to 1000 nm

PRICE: \$3,460

Photobiology applications including:

- spectral reflectance imaging
- phytochrome photoequilibria
- yield photon flux

\$3,460



Model SPEC-UV/PAR

MODEL SPEC-UV/PAR

RANGE: 200 to 850 nm

PRICE: \$3,960

Photobiology functions and the measurement of shorter wavelength UV radiation.

UV calibration with a deuterium lamp.

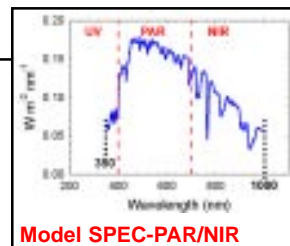
\$3,960



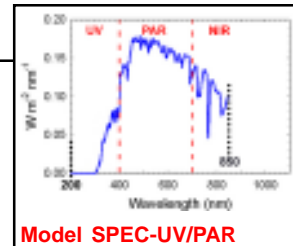
BOTH MODELS INCLUDE:

- Calibration to NIST-traceable lamps
- Cosine corrected head
- Two meters of fiber optic cable
- Rechargeable battery package
- PCMCIA card for laptops
- Custom software

SCANS IN SUNLIGHT



Model SPEC-PAR/NIR



Model SPEC-UV/PAR

SPECIFICATIONS

DETECTOR	2048 pixel 14 μm \times 200 μm microelement array
DYNAMIC RANGE	1 to 4096 counts (\pm 0.5%)
SIGNAL-TO-NOISE RATIO (S/N)	Up to 1000:1
LINEAR RANGE	0 - 2.1 absorbance units (< 0.5%)
EXPOSURE RANGE	4 milliseconds to 60 seconds (synoptic multi-channel)
POWER REQUIREMENTS	220-250 milliamps at +5 volts DC
OPTICAL CABLE	2 meters armored cable with a 400 μm diameter fiber optic. Cables for Model SPEC-UV/PAR are UV-resistant; cable for Model SPEC-PAR/NIR have low OH content to minimize infrared attenuation.
WAVELENGTH RESOLUTION	Model SPEC-PAR/NIR: from 1.4 nm to 5.0 nm Model SPEC-UV/PAR: 0.75 nm
WAVELENGTH ACCURACY	< 0.25 nm
WAVELENGTH REPEATABILITY	< 0.05 nm
WAVELENGTH STABILITY	< 0.001 nm per $^{\circ}\text{C}$
BASE UNIT SIZE / MASS	Model SPEC-PAR/NIR: 15.5 cm \times 9.5 cm \times 4 cm / 500 g Model SPEC-UV/PAR: 15.5 cm \times 11 cm \times 8 cm / 900 g