

Web Page: <http://spectravista.com/>



GER 1500 Specifications



Spectral Range	350 nm to 1050 nm
Internal Memory	470 scans
Channels	512
Linear Array	Si Photo Diode
Bandwidth Sampling/ FWHM & Spectral Region	1.5 nm /3.2 nm: 350 nm-1050 nm
Scan Time	5 ms and up (selectable)
FOV	4° standard 8° and 25° optional with fiber optic, irradiance sphere, reflectance probe
Head Size	8.3 cm x 15.2 cm x 19.7 cm 3.25" x 6" x 7.75"
Weight	2 kg, 4.5 lbs.
Battery Type	6 Volt NiMH
Battery Life	4 hours
Digitization	16 bit
Wavelength Repeatability	±0.1 nm
Noise Equivalent Radiance 1.05 s integration time	400 nm: $1.1 \times 10^{-9} \text{ W} \cdot \text{cm}^{-2} \cdot \text{nm}^{-1} \cdot \text{sr}^{-1}$ 700 nm: $5.0 \times 10^{-10} \text{ W} \cdot \text{cm}^{-2} \cdot \text{nm}^{-1} \cdot \text{sr}^{-1}$ 900 nm: $2.0 \times 10^{-9} \text{ W} \cdot \text{cm}^{-2} \cdot \text{nm}^{-1} \cdot \text{sr}^{-1}$
Maximum Radiance Levels 12 ms integration time	700 nm: $1.5 \times 10^{-4} \text{ W} \cdot \text{cm}^{-2} \cdot \text{nm}^{-1} \cdot \text{sr}^{-1}$
Radiometric Calibration (Traceable to NIST)	5%
Dark Current Correction	automatic
Spectrum Averaging	selectable
Humidity	to 90% RH (non-condensing)
Temperature	-10° to 50°C
Sighting	Laser