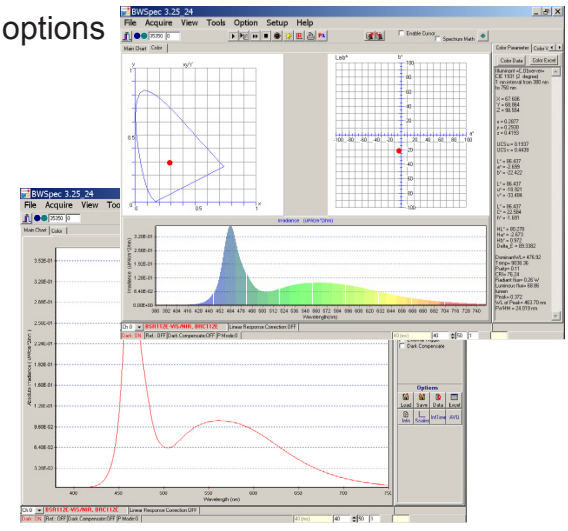
BSR Series

BSR Series Miniature Spectral Irradiance Meter



The BSR112 is a miniature Spectral Irradiance Meter designed for field, industrial, and lab applications. BSR112 comes with a plug-and-play USB 2.0/1.1 interface thus makes it easy for use with a desktop or laptop computer. Optimized software is provided for characterization and measurement of many application lighting devices and systems. Standard software features include timeline recording, data smoothing, color measurement, chromaticity, color temperature, external triggered pulsed light capturing, and other data handling functions. The spectral irradiance meter is ideal for lamp and LED characterization and color analysis, solar studies (requires different input optic options), photostability testing, photobiology and photochemistry. Software Developer's Kit (SDK) is provided together with demo source

Features



- Spectral range: 380 - 750 nm, 350-1050 nm or other options
- Spectral resolution: ~1 nm
- Input optics: quartz cosine receptor (default)
- USB 2.0/1.1 plug-and-play interface
- Irradiance range: 0.02 - 6E-6 mW/cm^2/nm & options
- Measurement sensitivity: around 0.002 uW/cm^2/nm
- NIST traceable calibration built-in
- Software or external trigger via AUX port
- No moving parts
- Wavelength accuracy: better than 0.3 nm
- Operation temperature: 15-40 °C
- SDK for easy custom software development
- Integration time range: 5 - 20,000 ms
- Powered via USB port
- Windows Me/2000 and XP competiable operating software

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