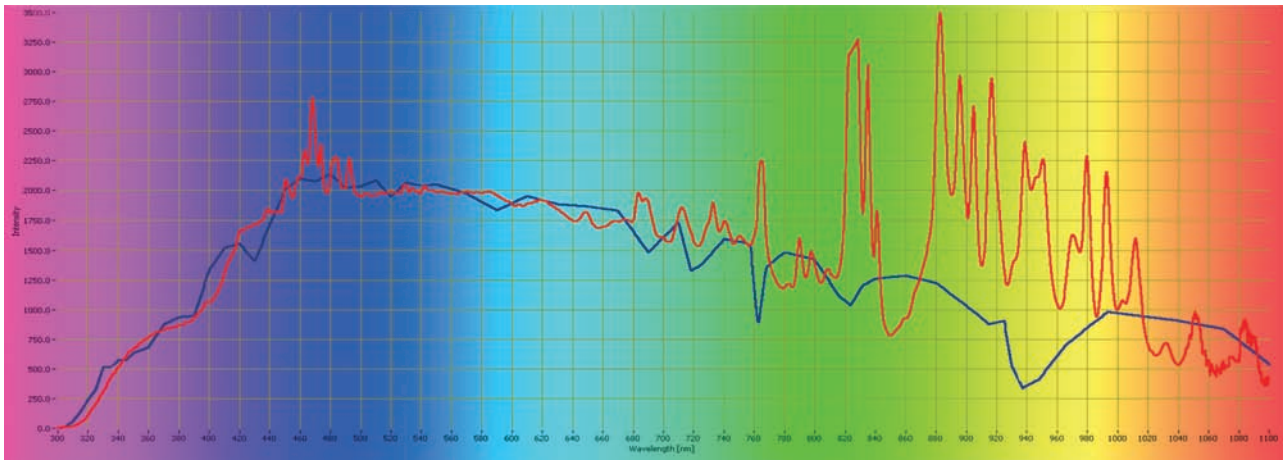
AESCUSOFT
automation



AM1.5 spectrum and measured Xe flash spectrum

FlashSpec Si ™ Hi-Speed Spectrometer

Technical Specification

- Array spectrometer with high quality Zeiss MCS spectral sensors for highest sensitivity and signal stability.
- Wavelength range 300nm to 1100nm (Si) up to 1700nm optional.
- High signal-to-noise ratio.
- Integration time min/max: 0.6ms to 6s.
- Monitor cell for precise timing and measurement triggering.
- Compact, mobile design of measurement head without open optics of fibres.
- Optimized light detector, reduced reflection.
- Measurement head size: 22x28x14 cm.
- Fast tool for in-line illuminated IV-Curve light spectrum quality control, available as fully automated option.
- Completely controlled by operator friendly software.
- Light weight Design.

Flash and Continuous Light Spectrum Characterisation

FlashSpec spectrometer

contact

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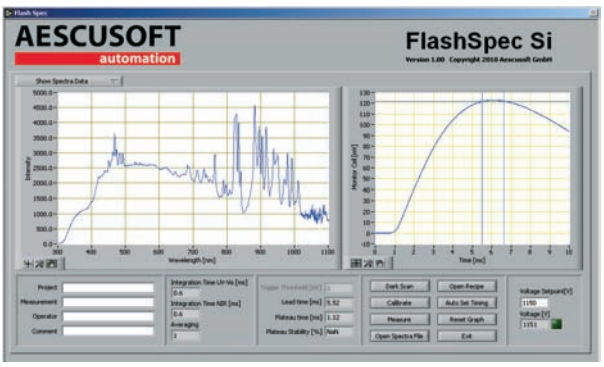
FlashSpec Si ™ Hi-Speed Spectrometer

Flash and Continuous Light Spectrum Characterization

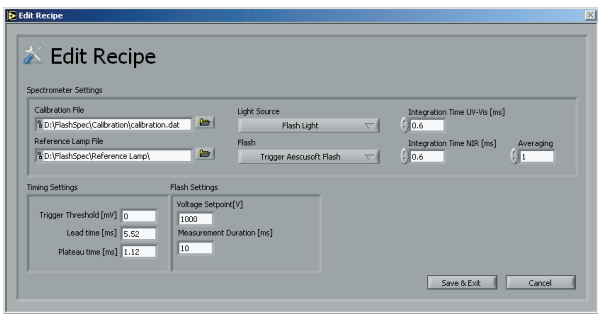
Application Area and Benefits

The FlashSpec Si is the latest generation of Aescusoft's array spectrometers, optimized for simple use and fast, full spectrum control of illumination light sources like flash testers or continuous light sources.
The main features are robust compact design, no open optics or fibres, simple operation including high speed measurements, down to 600µsec. The light-weight spectrometer can easily be handled by the operator.



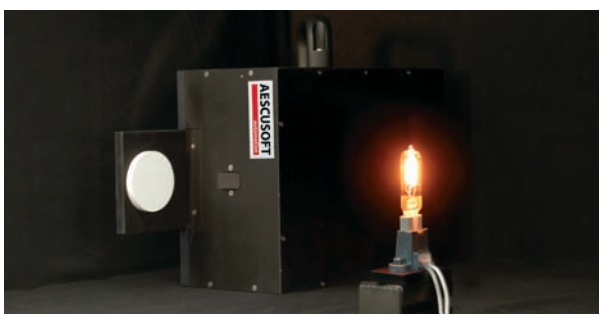
FlashSpec software

This application is optimized for Xe flash spectrum characterization due to it's broad dynamic range and highest measurement accuracy with best signal-to-noise ratio.
FlashSpec Si is a high precision reference tool for in-line spectral analysis of flash and steady state Xe light sources for solar cell production as well as offline characterization labs.



Settings saved in recipes

Typical calibration setup using 1000W FEL calibration light source retraceable to international standards.



Calibration facilities (simplified illustration)

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