

ILT960UVLS-RAA4

Spectroradiometric UV Leakage Measurement System

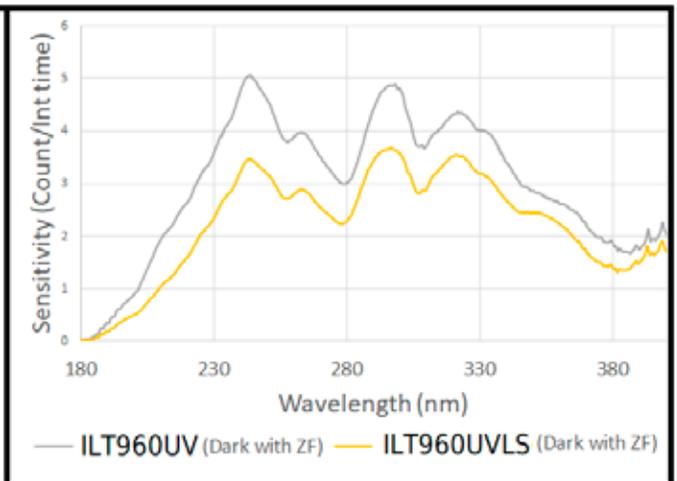
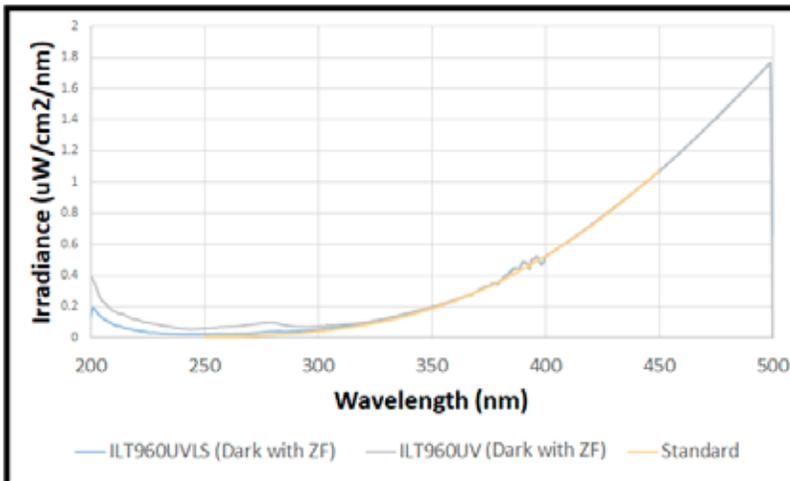
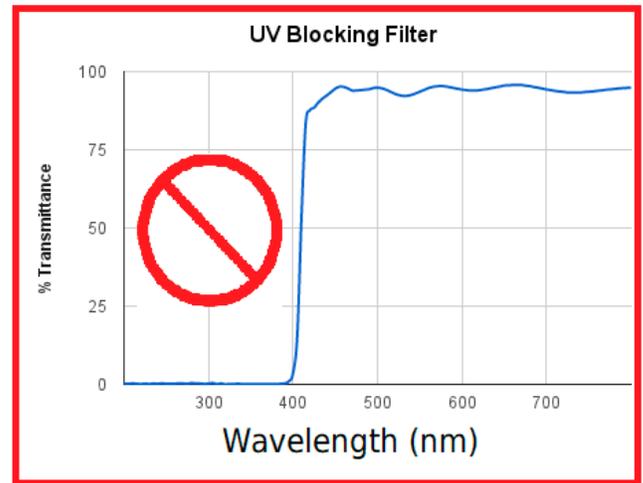


A fast, portable instrument for measuring UV leakage and UV filter transmission in clean rooms and laboratories where UV-sensitive materials are used or manufactured. Also suitable for safety evaluation for persons with UV-sensitive syndrome or Xeroderma pigmentosum.

The ILT960-UVLS is a Low Stray Light version of the ILT960-UV (<.1%) measuring 200-500 nm. The UVLS was designed for testing the effectiveness of UV leakage and UV blocking filters and can measure both in relative terms (% transmission) or in absolute values ($\mu\text{W}/\text{cm}^2/\text{nm}$). The ILT960UVLS-RAA includes ILT's special zeroing filter to reduce stray light and noise-affecting absolute irradiance measurements, allowing a more accurate measurement of "No light". Both relative and absolute values can be exported (Pixel, 1 nm or 5 nm resolution) for creating reports.

SPECIFICATIONS

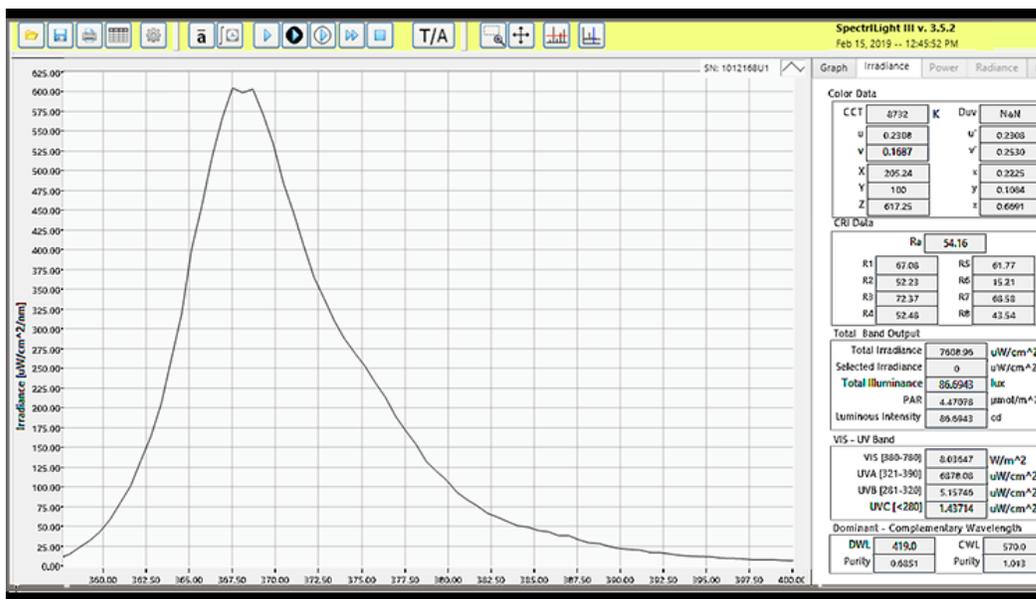
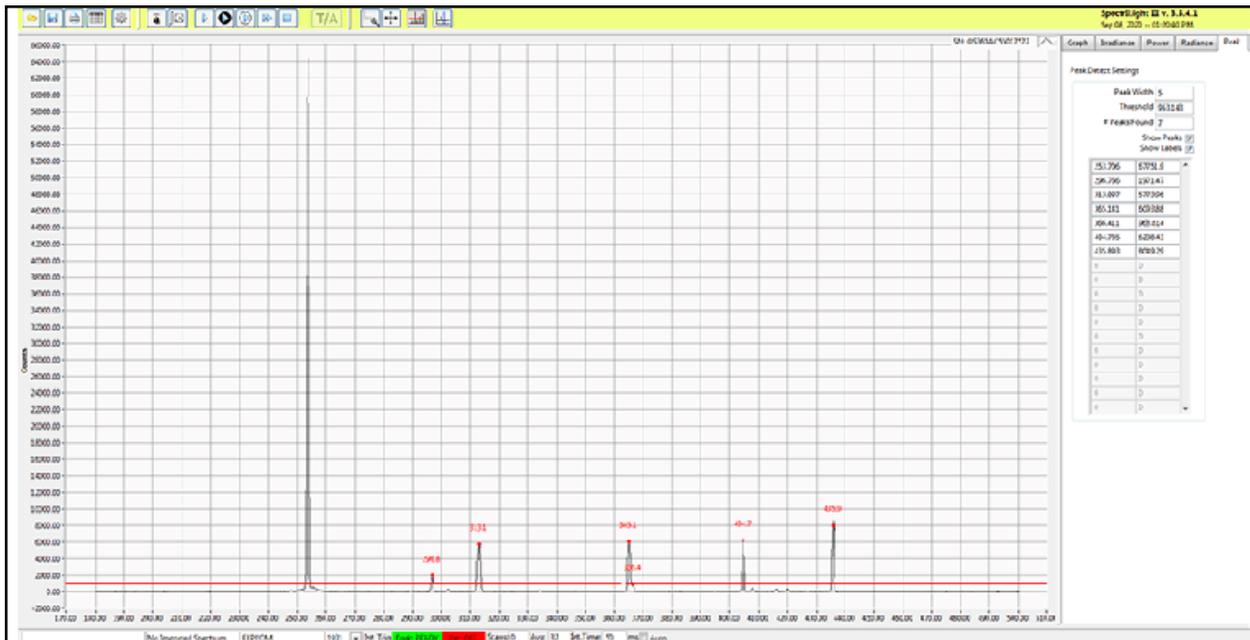
- Focal Length:** 60 mm
- Slit:** 50 μm
- SNR:** 330:01:00
- Integration Time:** 02 μs - 1 min
- Stray Light:** <0.1%
- Wavelength Accuracy:** ± 0.21 nm
- Data Transfer Speed:** 16 bits, 2 MHz
- Operating Temp:** 0 - 50°C
- Size (mm):** 35.4 H x 86 W x 110 L
- Calibration :** NIST-Traceable/ISO17025 Accredited
- Calibration Uncertainty:**
 - 200-250 nm +/-15%
 - 250-450 nm +/-10%
 - 450-500 nm +/-5%
- Spectrometer Dimensions:** 35.4x86x110 mm
- RAA4 Input Optic Dimensions:** .27" dia aperture, .61" dia x .44" tall
- Fiber, 600 micron SMA905:**
 - FFO600-SC 1 meter long (standard)
 - P11-2, 51 mm long - rigid (optional)





The ILT960UVLS is a Symmetrical Czerny-Turner spectrometer with CMOS Linear Sensor array offering spectral irradiance sensitivity better than $2 \text{ nW/cm}^2/\text{nm}$. Complete measurement systems include the spectrometer, choice of 1 m long flexible or 51 mm long rigid fiber, RAA4 right angle diffuser, zeroing filter, dual source calibration from 200-500 nm, carrying case, tripod and ILT extensive software package SpectriLight III. Full DLL's are also available for system integration and custom programming.

The ILT960 is an excellent tool for testing light leakage from Yellow light/Yellow foil use in flexography, light filtration, UV filter blocking, as well as for testing pure light in the UV/Far UV such as Excimer lamps, UVC LED, LP and Amalgam mercury lamps as well as for testing UV sources used for disinfection and UV curing.



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TECHNOLOGIES

**ISO 9001 / ISO/IEC 17025/
ISO13485**

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