

ILT950 vs ILT960 Model Comparison Chart		
Model	ILT960-UV	ILT950-UV
Detector	CMOS Linear Image Sensor	CMOS Linear Image Sensor
Focal Length	60 mm	75 mm
Wavelength	180-500 nm	200-450 nm
Slit	50 um	50 um
Resolution	<=.9 nm	>1 nm
Optical Design	Symmetrical Czerny-Turner	Symmetrical Czerny-Turner
SNR	330:01:00	300:01:00
Dynamic Range	3450	3300
Integration time	0.02ms-1min	0.03s - 59s
Stray Light	<0.2%	<0.3%
Wavelength Accuracy	+/- 0.21 nm	±.5 nm
Dynamic Dar Correction	yes	yes
Non-Linearity Calibration	Yes	yes
wavelength calibration	yes	yes
Trigger Compatible	yes	yes
Synchronization Compatible	Yes	yes
ADC	16 bits, 2.5 MHz	16 bits, 2.5 MHz
Data Transfer Speed:		2ms/scan
Operating Temp	0-50 Deg C	15 - 40°C
Interface	USB 2.0 UART	USB 2.0
Radiometric Accuracy:		
	200nm - 350nm: ±20%**	200nm - 350nm: ±20%**
	>350nm - 400 nm: ±10%**	>350nm - 400 nm: ±10%**
	NIST-Traceable/ISO17025 Accredited	
Calibration	Calibration**	NIST-Traceable/ISO17025 Accredited Calibration**
Dimensions	35.4 H x 86 W x 110mm L	1-3/5" H x 5" W x 7" L
Power	300 mA @5VDC (supply voltage 4.75 -5.25)	

** requires dual source calibration

UV Spectrometer Sensitivity Comparison

