

25 Good Reasons to Choose the OL 750-NVG



Specially designed to meet all parts of MIL-L-85762A

The OL 750-NVG system not only meets or exceeds all of the individual specifications, but unlike any other system it can satisfy all of the requirements simultaneously.



State-of-the-art

All optics and electronics are state-of-the-art and includes DSP technology to ensure long life, reliability and the best possible results.



Fast Results

The OL 750-NVG is optimized to give the best results in the shortest possible time. Top quality results can be obtained in less than one minute.



Sensitive

Surpassing military specifications and all competitive systems with ease, the smallest, faintest sources can be measured.



Dynamic Range

The ten decade dynamic range allows measurement of any intensity source, from the brightest to the dimmest, without changes to the system. Unlike other systems, all these ranges apply throughout the entire measurement.



Price

The OL 750-NVG not only out-performs other systems, it costs significantly less as well, placing it well ahead of the competition in value for money.



Made in the USA

100% manufactured in the USA by Optronic Laboratories, Inc. ensuring reliability, performance and complete support.



Easy Alignment

The direct viewing design telescope gives exact, easy alignment of sources with no position or parallax errors. Small objects can be measured precisely.



Technical Support

With centuries of combined experience in all aspects of instrumentation and light measurement, our staff is ready to help with training or advice on any application or aspect of equipment use.



Customer Service

The OL 750-NVG is noted for proven reliability but, in the unlikely event of equipment failure, our team of trained specialists will ensure that "down-time" is kept to a minimum.



Smart Software

Measurements require exact reproducible control of many moving parts and system variables, often requiring intelligent instant decisions. The optOLab software manages this easily so reliable results are always obtained.



Versatile

When juggling budgets and applications, the OL 750-NVG may be the answer. Since it is based on the OL 750 series of general monochromator systems, it can be easily transformed to perform other measurements such as source emission, transmission, reflection and detector characterization.



Unaffected by RF pickup

Conforming to the stringent European CE certification requirements, the OL 750-NVG is almost entirely insensitive to RF emissions.



Insensitive to optical polarization

Featuring virtually negligible polarization sensitivity, unlike similar systems, the results are independent of the source.



Calibration

Our calibration facilities are modeled after NIST to produce the highest standards of accuracy and traceability.



World-wide distribution

Our network of local representatives assures individual attention to your needs.



Performance for future standards

Other systems that only just meet present specifications may be outdated as requirements become tighter. The OL 750-NVG exceeds current specifications by orders of magnitude, providing an essential buffer against any future obsolescence.



Virtually instant photopic measurements

Using a built-in high accuracy photopic detector, the monochromator can be bypassed to provide virtually instant luminance results of the same measurement area with the same hardware and software as spectral scans.



Low maintenance

The OL 750-NVG system is designed to require very low maintenance and eliminate costly hold-ups in measurement schedules as far as possible. Expensive preventative maintenance and regular factory "repairs" are a thing of the past.



Built-in pass/fail decisions

MIL-L-85762 pass/fail specifications are pre-programmed, so results have a clear pass/fail indication. Customized pass/fail criteria can be incorporated at no extra charge.



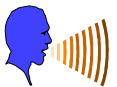
Production software for routine testing

When operated by untrained personnel, our "production" version software reduces menu options to preset measurement and manipulation routines only. These operators are therefore barred from accidentally affecting measurement conditions or final results. This extra facility is provided free of charge.



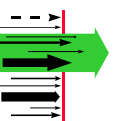
High wavelength accuracy

The high wavelength accuracy, necessary to good photopic, colorimetric and NVIS results, of ± 0.2 nm is standard.



Standard communications

Using the standard serial port, the OL 750-NVG can communicate with any IBM compatible computer, including laptops. This contrasts with systems requiring special boards to fit inside the computer, placing restrictions on the portability of the system. An IEEE-488 interface is available as an option.



Low stray light

The unique system optimization gives the OL 750S-NVG single monochromator system better performance than most double monochromator systems. The OL 750D-NVG double monochromator system develops this further to give unsurpassed performance for more demanding applications such as NVG filter transmission.



Portable

The OL 750-NVG is supplied on a rigid frame for easy movement without stressing the instrument or affecting the alignment. Fiber optic coupling to the telescope can be provided to make measurements in very restricted spaces.