

# A COMPARISON OF NVIS MEASUREMENT SYSTEMS OFFERED BY OPTRONIC LABORATORIES

Optronic Laboratories offers three (3) systems for the measurement of NVG display compatibility per MIL-L-85762A and MIL-STD-3009:

- **OL 750S-NVG**
- **OL 750D-NVG**
- **OL 770-NVS**

This information sheet provides selection criteria as an aid in choosing the right system for all your needs.

All the systems provide accurate, compliant measurements of NVIS radiance, luminance and chromaticity. Differences apply to special measurement requirements and other applications. The appropriate system should be selected based on your current and future measurement needs. Table 1 gives an “at a glance” summary of the applicability of each system. For details, contact Optronic Laboratories.

APPLICATION	OL 750S	OL 750D	OL770
NVIS Cockpit Display Measurement	✓	✓	✓
External Aviation Lighting ( <i>d.c.</i> )	✓	✓	✓
Flashing Aviation Lighting	X	X	✓
*Transmittance (100% to 0.02%)	✓	✓	✓
*Transmittance (100% to 1E-6%)	X	✓	X
*Reflectance (100% to 0.02%)	✓	✓	✓
General Displays	✓	✓	✓
General Light Sources	✓	✓	✓
Flashing Light Sources	X	X	✓
Detector Spectral Response	✓	✓	X
**Extending Range to <380 nm	✓	✓	X
**Extending Range to <280 nm	X	✓	X
**Extending Range to >1100 nm	✓	✓	X

\* Range may be extended when measuring spectrally neutral samples

\*\* All applications