ANV-110GE

Hoffman’s night vision image tube photometric test system, ANV-110GE, is a self-contained system designed to perform the image photometric tests required to verify the performance of night vision image intensifier tubes. Test capabilities of the ANV-110DQ system include: equivalent background illumination (EBI), luminance gain, signal-to-noise ratio, photocathode output brightness and uniformity, and saturation luminance. The ANV-110GE utilizes a modified 1980A photometer optical head in conjunction with an ultra-stable precision sphere-based light source and computer-based electronics and control system. Critical light levels for all tests are generated with a long-life quartz-halogen light source, precision micrometer aperture, and a 12” integrating sphere with real-time detector monitoring to produce near black-body (2856K) illumination. The ANV-110GE optical system provides the necessary optics to accurately perform each of the devices test functions. The ANV-110GE features a proprietary image tube holder system to correctly position and provide power to the image tube under test. The ANV-110GE also features current monitoring of the image tube under test.

Product Specifications

- **Power Requirements:** 90-240VAC 50/60 Hz
- **Light Source:** Quartz halogen lamp, 12” integrating sphere calibrated to operate as “black body” radiator @ 2856K
- **Shipping Weight:** >200 lbs
- **Unit Dimensions:** 24” W x 24” H x 60” L
- **Calibration:** Required every 12 months