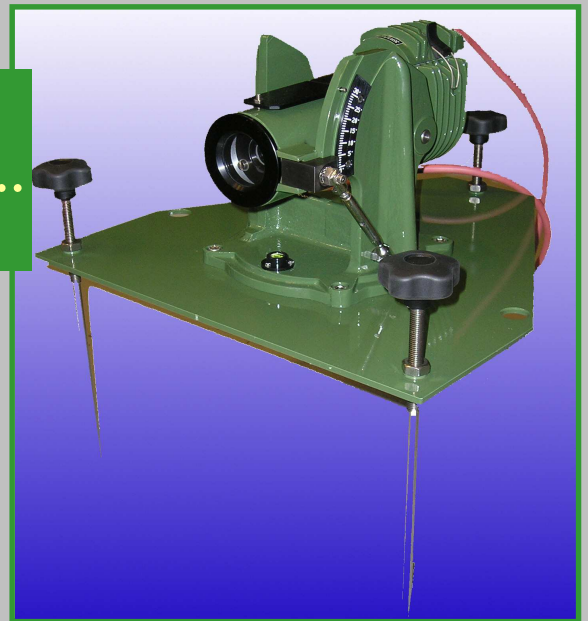


PGPI

PORTABLE GLIDE PATH INDICATOR

Compliant with:
NATO Stanag 1236



PORTABLE
LIGHTING
SYSTEM



APPLICATION

The Portable Lighting System is designed to provide visual landing aids during severe operative condition of aircraft and helicopter without the use of on-ground equipment.

The System is composed by Portable Lights, to be used as perimeter or approach lights, and a Portable Glide Path Indicator (PGPI).

The PGPI, that is compliant to the NATO STANAG 1236, is a 3 colors (red, green, amber) beam that is a standard for military ground and naval operation, so quite familiar to many pilots.

Usually it is positioned in the direction of landing, opposite to the aircraft arrival, and it is adjusted to have a vertical beam angle depending on obstructions or operational requirements.

The PGPI is composed by a projector (12° horizontal beam, 5° red, 2° green, 5° amber vertical beam, 30° azimuth adjustment) installed on a 3 legs platform to allow an easy and fast positioning of the beam; it is powered through a rechargeable battery to allow a fast operation.

The PGPI is supplied in a IP67 plastic box to facilitate transport operations.

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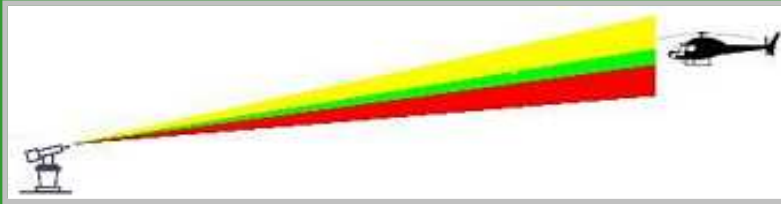
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PHOTOMETRIC CHARACTERISTICS



- Horizontal Beam: 28°
- Vertical Beam: 5° Yellow, 2° Green, 5° Red
- Intensity: 260cd yellow, 150cd Green, 100cd Red
- Visibility: more than 10km (VMC)
- Azimuth adjustment: 0 a 30°

TECHNICAL CHARACTERISTICS

- light alloy body, with inhibiting and polyurethanic painting with polyester primer (green RAL 6003);
- stainless steel platform, with inhibiting and polyurethanic painting with polyester primer (green RAL 6003);
- optic: 50 mm, 1:3,2;
- xenon lamp 12 V - 35W;
- input voltage: 12V, rechargeable battery
- autonomy over 4 hours with a 12V-43Ah battery
- watertight enclosure: IP55 (complying to IEC 529)
- Weight: PGPI 5 kg ; battery 14 kg ; GPI box 17 kg
- Fiberglass reinforced box



PACKAGING DATA

PGPI Container : 65x50x24 cm
Weight: 17kg
Battery: 42x26x25 cm
Weight: 14 kg

HOW TO USE

- Install and fix the projector on the platform
- Install the 3 legs on the platform
- Position the system on ground and set the ZERO position acting on the 3 legs through the spirit device
- Tight the nuts on the legs so to strength the platform
- Set the azimuth angle of the PGPI acting on the lateral adjustment and visual indication depending on the obstacles or the operational requirements. Tight the lateral adjustment at the end
- Connect the PGPI to the battery box
- If necessary fix the system to the ground using the lateral holes on the platform