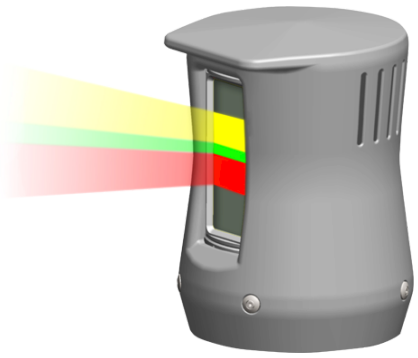
Glamox

LINKS rechts

HIGPI 1228 LED - HVLAS Glide Path Indicator



IP 67 | LED | Ta -20 | Ta 40°

Description

The HIGPI Glide Path Indicator allows the pilot to control the optimal approaching angle to the flight deck. The Glide Path Indicator will create a three colour light beam to signal the helicopter the correct glide path or if the path is too high or too low. The HIGPI has an additional integrated NVG monochrome (green or amber) mode that uses light pulses to inform the pilot about the given approaching angle. This will ensure fully NVG compatibility according to STANAG NVG Cross Deck operations. For high reliability and safety as well as long ranges and true colour information, the HIGPI uses LED as the light source.

Main advantages:

- NVG compatible with integrated NVG mode
- Gyrostabilized for pitch and roll through internal gyro unit and/or ship gyro (with added redundancy)
- LED light source
- Automatic Nitrogen monitoring
- Azimuth adjustment from port 90° to stb 90°
- High brightness for long ranges
- Shock proof according to German Navy Standards
- Vibration proof according to MIL-STD
- EMC proof
- Low power consumption with 24V power supply
- RCS opzimized housing
- Increased flight safety due to the use of LED

Technical specifications

Application

Component of a Helicopter Visual Landing Aid System (HVLAS) by LINKSrechts Optical signalling device for visualisation of the correct glide path during landing approach of a helicopter to the ship Partitioning of the light beam into three sectors of different colours and flash frequencies yellow: low flash frequency, approach angle too high green: continuous light, approach angle correct red: high flash frequency, approach angle too low During night vision operation (NVG) monochrome green light with identical light intensity for all three sectors, distinction by the respective flash frequency compensation of rolling and pitching motions up to +/- 30° Azimuth angle adjustable from 90°...270° Installation possible without shock absorbers due to sturdy design Shock absorber available for very high demands on shock resistance

Electrical specification

Nominal Voltage20 ... 32 V DC Rated Voltage24 V DC Rated Power< 300 W

Mechanical specification

Dimension (ø x H)515 x 700 mm Material HousingPE / aluminium (seawater proof) Weight HIGPI11265 kg Weight bracket30 kg Weight shock absorber30 kg Rolling angle compensation +/- 30° Pitching angle compensation+/- 30° Azimuth angle adjustment+90 ... +120 °

Environmental specification

Operating temperature-25 ... +45°C Ingress ProtectionIP 67 (GL standard 2004)

Optic

LightsourceLEDs Light colouramber/green/red Luminous range6 nm

Certificate

Electromagnetic compatibility (EMC) - VG95373* Shock resistance - BV0230** Vibration resistance - BV0240*** / MIL-STD-167-1A**** STANG directives *part 10 LA 01 G, GWK:2 (11/2008); part 14 LF 03 G, GWK:4 (11/2008) (LR documet 1228-TCE-500) **class SSK A, test with shock absorber (LR document 1228-ACS-100) ***test with shock absorber (LR document 1228-TCE-201) **** section 5.1.2.4 §2, §3, §6, test with inflexible bracket (LR document 1228-TCE-200)

Images