



HPLT V.7 DAVID

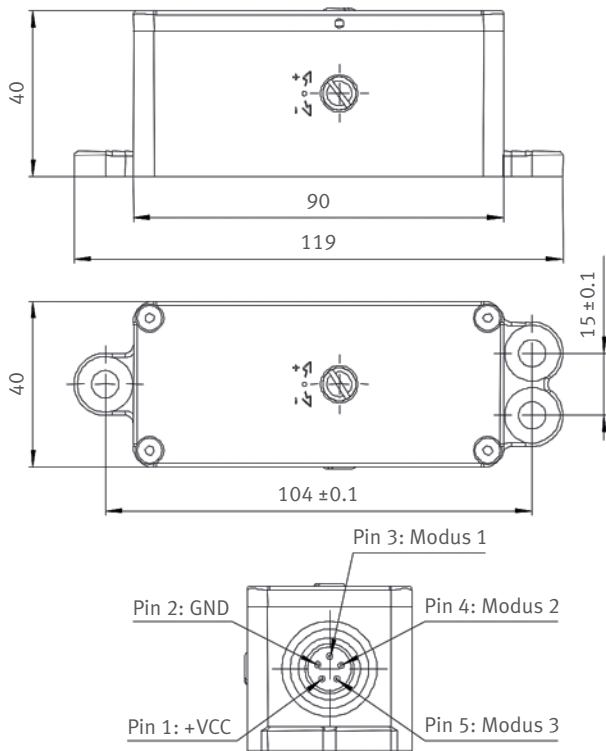
DESCRIPTION

The HPLT V.7 DAVID can be configured as an infrared target or infrared illuminator. Thanks to its robust housing and compact design, it can be easily mounted even in confined spaces. Its innovative grid system ensures that the mechanical stability of the laser beam is guaranteed even at high vibrations.

CHARACTERISTICS

- Sturdy aluminum housing
- Available with a variation of laser diodes
- Laser output 100 mW
- Superior optics for small beam divergence
- Supply voltage range: 10...35 V
- Laser axis adjustable horizontally and in elevation
- Protected against excess voltage and reversed polarity
- Water tight to IP67
- Protected against overheating

CONNECTING DIAGRAM AND DIMENSIONS



TECHNICAL DATA

Operating voltage	10...35V
Operating current @ 12V	max. 600 mA at ambient temperature (depending on selected diode)
Wavelength drift	Typical <0.3 nm/°C
Laser power	<100 mW (higher power up to Laser diode current ≤500 mA on request)
Laser diode housing	Ø9 mm (optional 5.6 mm)
Laser class (to IEC60825-1:2007)	3 B (with option subject to power requirement 1 or 3R)
Operating temperature	-40°C...+50°C
Laser adjustment	±30 mrad
Position accuracy	<0.18 mrad
Divergence	Typical <0.4 mrad HW (subject to selected diode)
Electrical connector	Binder Type 712 M9 09-0416-80-05
Mechanical interface	3x M6 counter sunk screws
Housing	Aluminium, black anodised
Water tight to	IP67
Weight	220g
Operating modes	Mode 1: 100% CW Mode 2: 50% CW Mode 3: 100% Pulse 4 Hz
Shock, vibration	DIN ISO 9022-30-08-2, 9022-30-06-2, 9022-36-08-2, 9022-33-06-1

*The operating mode is selected by applying the supply voltage (+VCC).
The integrated microprocessor prohibits a malfunction if more than one
mode is selected simultaneously.*



Laser beams can cause damage to your eyes.
The user is responsible to observe the local safety regulations.

Mistakes and technical changes reserved.

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