

LDM-3 Sealed Module



Features

- Water and dust proof module designed for harsh industrial environments
- Stainless steel sealed housing
- Electrically isolated
- Compact design 40 x 20 x 20mm
- Slow start, reverse polarity and over voltage protection

The LDM-3 Sealed Module has been designed for heavy industrial applications with very harsh environments such as mines, crushing plants and rolling mills. The unit utilises a solid stainless steel housing to fully encapsulate and protect the laser source.

The unit provides a well collimated laser light source, and includes a range of optical options to suit most industrial requirements. The LDM-3 Sealed Module includes slow start, reverse polarity and over voltage protection, and is available with a pulsing option if required. Power is connected to the module using red (+ve) and blue (-ve) flying leads. A 12-24V DC-DC power converter is also available to allow the unit to be powered from industrial power sources.

Specifications:

Available Wavelengths	635, 650, 670, 780, 808, 830 & 850nm
Available Powers	1 - 200mW
Beam Size at aperture	3mm diameter
Divergence (collimated beam)	< 0.75mrad
Operating voltage	3 - 6V DC
Operating current	30 - 300mA (Depending on laser power)

Specify part numbers as follows: **LDM-3P-650-3-L90**

(i.e. LDM-3 series, pulsed option, wavelength = 650nm, output power = 3mw, 90 deg. line generator)

Options

Collimated beam for pointing	C
100kHz Pulsed option	P
Fixed Focus	F300 (Focussed at distance of 300mm)
Heat Protective Glass	HG
Cross Hair	CH
Line Generator	L30, L45, L60 & L90 (L30 = 30 deg. fan angle)

This product is registered with the FDA in accordance with 21 CFR 1040.10(a)(3)(I) and is compliant with European, and Australia/New Zealand laser safety standards 73/23/EEC - 98/37/EG, 89/336/EEC, EN 50081-1, EN-31252, EN-31252, EN 55022, EN 60825-1 and AS/NZS 2211:1997. The complete laser product manufacturer must supply adequate instructions for installation and servicing of this product. This is not a removable laser system. This product is designed solely as a component in an electronic product and therefore does not comply with the requirements of 21 CFR 1040.10 and 1040.11 for complete laser products. Avoid direct eye exposure to the beam.

Distribution in the UK & Ireland



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