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.

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