

LINE & DOT LASERS

LD.60X25



60 Series laser with focusable beam

The LD.60X25 creates an adjustable laser beam that is ideal for alignment over long distances. The LD.60X25 gives you the power to adjust the focus of the beam. Both red and green beams are available to suit your working environment.

AVAILABLE MODELS

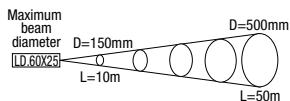
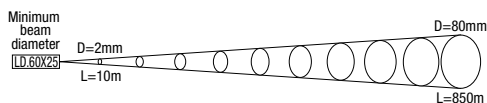
LD.60X25

Externally powered laser shown with an optional gimbal bracket.



LD.60X25B

Internal battery, shown with an optional gimbal bracket.



SPECIFICATIONS

Input power	12 V DC (LD.60x25 only)
Power supply	4 x D cell (LD.60x25B only)
Output power	2 to 10 mW
Operating distance	Up to 850 m
Operating time	300 hrs (alkaline batteries)
Dimensions	Length: 605 mm Body diameter: 60 mm Focusing collar: 75 mm
Weight	2.2 kg (laser only)

LD.60X25L



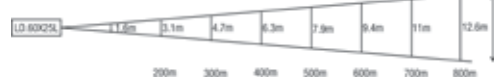
60 Series laser with oscillating beam

The LD.60X25L is a long distance laser used for vertical alignment on distances up to 850 metres. The beam is detected by a laser receiver (Laserguide). It is possible to automatically control the relevant machine by connecting the Laserguide receiver to the server drive.

The collimated beam is optically deflected (at 8 oscillations per second) from the centre, to 1% or 0.9°. As a result the laser produces a line 12.6 metres long at 800 metres. The thickness of this line can be adjusted by a collimating knob, which alters the centre band (or accuracy).

APPLICATIONS

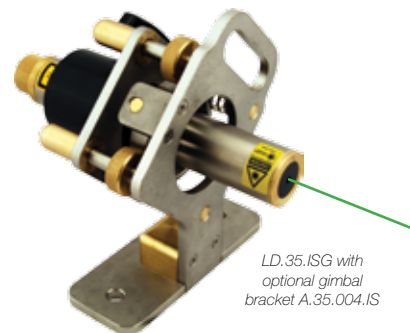
- ▶ Laying tracks, pipes or cables
- ▶ Machinery control
- ▶ Manual or auto steering of vehicles
- ▶ Runway-line marking



SPECIFICATIONS

Input power	12 V DC (24 V DC optional)
Output power	2 - 10 mW
Beam diameter	Minimum 80 mm at maximum operating distance
Beam oscillation angle	0.9° or 1% (1m @ 100m)
Operating distance	15 m to 850 m
Dimensions	Length: 610 mm Body diameter: 60 mm Focussing collar: 72 mm
Weight	2.6 kg

25 & 35 Series



LD.35.ISG with optional gimbal bracket A.35.004.IS

Product code: LD.25.IS / LD.35.IS / LD.35.ISG

The LD.25.IS, LD.35.IS and LD.35.ISG lasers enable accurate construction and alignment of tunnels with tunnel boring machines, drill and blast, pipe jack or conventional hand techniques. The units are intrinsically safe and therefore do not require explosion proof containment when working in gaseous environments such as methane/air mixtures. The units are waterproof, rugged and constructed from stainless steel and brass. The units are based on diode technology and powered by two 'AA' cells (LD.25.IS) or two 'C' cells (LD.35.IS & LD.35.ISG).

When used with the MCE designed adjustable gimbal, the lasers are easily installed on tunnel walls and adjusted to a target.

APPLICATIONS

- ▶ Mining
- ▶ Tunneling
- ▶ Industrial
- ▶ Safety
- ▶ Manufacturing
- ▶ Power Boring

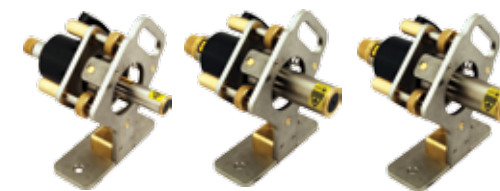
OPTIONS

- ▶ Horizontal Gimbal
- ▶ Carry case
- ▶ Penta prism

CERTIFICATION

- ▶ Intrinsically Safe
Explosion-proof containment not required.
Works in Methane/Air mixtures.
Code: Ex ia IIC T3 IP55
Code: Ex ia IIC T4 IP55
- ▶ IEC 60079-0 : 2011
Edition: 6.0
Electrical apparatus for explosive gas atmospheres
Part 0: General requirements
- ▶ IEC 60079-11 : 2011
Edition: 6.0
Explosive atmospheres
Part 11: Equipment protection by intrinsic safety ""
- ▶ CERTIFICATE No.
IECEx SIM 13.0004

AVAILABLE MODELS



LD.25.IS
Intrinsically safe mining laser with red beam.

LD.35.IS
Intrinsically safe mining laser with red beam and extra long battery life

LD.35.ISG
Intrinsically safe mining laser with green beam.

SPECIFICATIONS

	LD.25.IS	LD.35.IS	LD.35.ISG
Length	221 mm	230 mm	230 mm
Diameter	25 mm	38 mm	38 mm
Weight	510 gr with batteries	890 gr with batteries	890 gr with batteries
Power supply	2 x 'AA' cell batteries	2 x 'C' cell batteries	2 x 'C' cell batteries
Operating time	50 hrs	200 hrs	60 hrs
Laser Class	2M	2M	2M
Operating range	150 m	150 m	200 m
Beam diameter (at exit)	5 mm	5 mm	5 mm