

THE DL IS DELIVERED WITH

Charger in a robust carrying case. We offer a variety of hand held and machine mounted detectors. Optional accessories include 12V cable.



TECHNICAL SPECIFICATION

Laser source	Visible diode, 635nm, class 3R
Working range	500m radius
Accuracy at 0% grade	+/- 5mm per 100m
Grade range, X direction	-5% to +20%
Grade range, Y direction	-7% to +7%
Self levelling range	+/- 11%
Rotation speed	0 to 1200rpm
Operating temperature	-20 to +50 centigrades
Battery	In-built NiCd 5,0Ah 12V
Charging time	7 hrs
Operating time per charge	60 hrs typical
Displays	2 custom LCD high visibility displays, backlight
Sealing	Fully waterproof, submersible. Nitrogen purged

DL

Dual Grade Laser

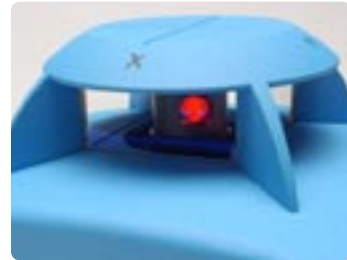


**THE GENERAL CONSTRUCTION
WORKHORSE
-EASY TO USE AND RELIABLE**

DL Dual Grade Laser from AMA Laser Systems

THE AMA DL is designed to be an allround dual grade laser with two specific features - ease of use and reliability. The two control panels, one behind each grade direction, are identical and easy to understand. No more wondering if you are adjusting the right direction.

The AMA DL has an in-built battery pack with 60 hours of operation on each 7 hour charge. A charge over the weekend gives a working week's operation. The integrated tilt foot allows for the full -5% to +20% grade range without extra accessories. These features make the DL the perfect choice for rental operation or the professional contractor.



PERFECT BEAM AT 1200RPM

The DL uses the same optics as the AMA AC1 Pipe Laser, ensuring a strong, visible and perfectly round beam for 500m radius working range. The rotation speed can be set up to 1200rpm to give maximum stability for machine control systems.



LARGE GRADE RANGE

We wanted to have a large X grade range, -5% to +20%, and still keep small, well protected windows. The solution is a second tilted 5/8" thread for X grades between 10% and 20%. No extra accessories needed.

USER FRIENDLY OPERATION

The DL has two identical displays, one behind each grade direction. Easy to understand, avoids mistakes. Grade can be dialed in digit by digit, or just press + for accelerating grade. The MODE button will let you select rotation speed.



TILT AND OTHER FEATURES

You can easily activate the TILT function to protect yourself against accidental movement of the laser setup. The DL will shut off and warn if hit or if one tripod leg sinks. TILT is activated on the user configuration menu (press the MODE button a few seconds). Here you can also switch between automatic levelling or manual, you can mirror the Y axis grade for easy grading of both cambers, and you can lock the keyboard for added protection.



INTEGRATED RUBBER HANDLE



RENTAL ROBUST - BUILT TO LAST

We designed the DL for reliability and longevity. A shock proof, rubber suspended mechanism is mounted in a rugged cast aluminium housing. The DL is designed for a life of 10 years, going right against the trend in the industry. Each unit is individually shock tested and temperature calibrated.

The windows are small, thick and recessed to minimize the risk of breakage.

IN-BUILT BATTERY WITH 60 HRS CAPACITY

Exchangeable battery packs are lost or cause problems with dirt and water getting at connectors. The DL is powered by an in-built battery with 60 hours capacity per 7 hour charge.

