



Applied Resolution Technologies

Laser application technologies : Mining, Oil & Gas, Agriculture, Industrial,

SLM-515S... Safe, proven, tough and compliant. The SLM-515S uses the proven design and technologies of the SLX laser systems with the added benefit that the laser head can be permanently attached to fixtures while the battery pack is removed and batteries replaced.....without affecting alignment.



The SLM-515S is a Class 2 alignment laser system with separable laser head and battery pack to aid in maintaining alignment when batteries need replacement. The green laser is also available as a Class 3R (5mW) system. The laser product is proven, and is sufficiently robust for the toughest environment.

It's visible green beam is safe to use under all conditions,

Intrinsically safe by design. Simple beam that can be turned into a line or two right angle beams. Tough. Rugged. Efficient. Safe. More than just a visible string-line.

CERTIFICATION

- IECEx SIM 13.0005 Ex ia I/IIB T1
- Supported by Quality Management to IEC 80079-34
- Supported by IECEx SIM S0003 Service Facility Certification
- Complies with IEC 60825-1 Laser Safety Standards and Regulations for use of lasers in construction and mining.

APPLICATIONS :

- Underground survey and alignment.
- Tunnelling, boring, excavation guidance
- Hazardous area Safe pointing, marking.
- Operating theatre patient alignment
- Mining and Industrial Automation
- Laser Safety Barrier establishment

Mining Automation ready with modulation

Specifications :

- Visible laser 515nm (green)
- Laser < 1.0mW Class 2
- Laser < 5 mW Class 3R
- Working range > 200m
- Conformity to Standards :
IEC 60079-0:2017
IEC 60079-11:2019
IEC 600825-1
- 60mm long, 1" Hex body
- 300mm long 1" hex battery body (5 x AA cells)
- Beam aligned to hex body using proprietary means.
- Mining Automation ready with modulation.
- Electronically isolated diode laser component
- Micro laser control circuit with Auto Power Control.
- Reverse battery polarity protection
- Long battery life, 5 x C cells, removable battery module with IS protection.
- Simple rotary on/off switch with nylon-tipped set screw lock.
- Protective laser window head,.
- Certification information engraved into the laser body for permanent label.
- Optional carry pouches for batteries
- Optional 90 degree prism heads
- Optional line output heads.
- Adjustment and mounting accessories available.

Related :

- SLX-635S Sensor-enabled red Laser
- SLX-515S sensor-enabled green laser
- SLM-635S sensor enabled red laser with removable battery.



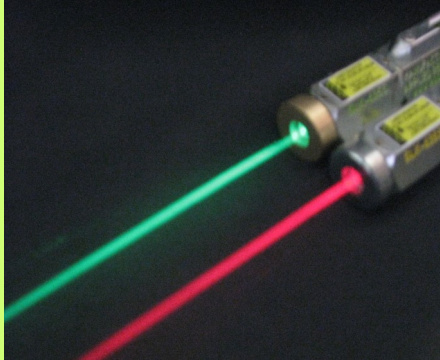
APPLIED RESOLUTION TECHNOLOGIES

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www.appliedresolution.com.au

SLM-515S :

THE SLM-515S LASER IS AN INTRINSICALLY SAFE, IECEx CERTIFIED LASER FOR HAZARDOUS ENVIRONMENT USE. GREAT FOR APPLICATIONS WHERE THE ALIGNMENT OF THE LASER NEEDS TO BE FIXED, SO THAT BATTERIES MAY BE CHANGED WITHOUT DISTURBING THE ALIGNMENT. AND THE BIG BONUS IS THE UNIQUE DIRECT GREEN DIODE BEAM.



Safe output as a Class 2 or Class 3R laser device makes it safe to use under all mining, building and construction applications, including underground coal mining. The SLM-515S is a unique Intrinsically Safe laser modular product for those applications where battery changing needs to be performed while preserving alignment. Also available with RED laser output by ordering the SLM-635S.

FUSED 5 X AA CELL BATTERY PACK CAN BE REPLACED IN HAZARDOUS ENVIRONMENTS



THE SLM-515S AND SLM-635S MOUNTING AND ADJUSTMENT SYSTEM is manufactured using FRAS approved materials and precision adjustment mechanisms. The two adjustment knobs provide adjustment in horizontal and vertical directions about a fixed pivot. The adjustment system is spring loaded to maintain pressure on the adjustment feet, while the fine adjustment threads allow for precise adjustment even over long distances.

The SLX-XY system is welded onto a clamping system for use with 48mm hanger bars, providing coarse alignment and tilt.

The modular laser with its removable IS battery module is held in the mount while the batteries are exchanged by simply unscrewing them from the rear. No longer do you need to remove the whole laser and take it to a safe zone to replace the batteries, as a spare battery module may be inserted underground.

ACCESSORIES :

- FRAS APPROVED MOUNTING AND PRECISION ADJUSTMENT SYSTEM
- LINE GENERATING OPTICS, SLIT ADAPTORS FOR CLOSE-UP LINES
- 90 DEGREE PRISMS, 110 DEGREE PRISMS
- ROOF BOLT MOUNTING SYSTEM FROM M24 THREADS
- CARRY CASE, BATTERY CARRY POUCHES
- ADAPTORS FOR EXISTING LASER MOUNTING SYSTEMS