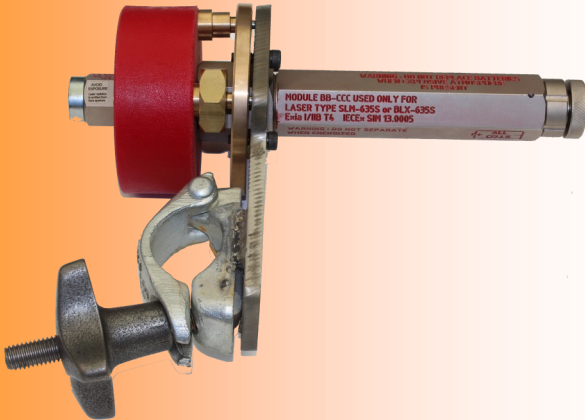




Applied Resolution Technologies

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

SLM-635S... Safe, proven, tough and compliant. This modular laser uses the proven design and technologies used in mining applications, with the added benefit that the laser head can be permanently attached to fixtures while the battery pack is removed and batteries replaced...even in hazardous atmospheres....without affecting alignment.



SLM-635S is also available as the SLM-515S with green laser output.

The SLM-635S is a Class 2 alignment laser system with separable laser head and battery pack to aid in maintaining alignment when batteries need replacement. Also available as a Class 3R (5 mW) product. The laser product is proven, and is sufficiently robust for the toughest environment.

It's visible red 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 T3
- 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



Specifications :

- Visible laser 635nm (red)
- Laser < 1.0mW Class 2
- Laser < 5mW Class 3R
- Working range > 70 m
- Conforms with Standards :
IEC 60079-0:2017
IEC 60079-11:2019
IEC 600825.1:2011
- 60mm long, 1" Hex body
- 120mm long 1" hex battery pack, removable.
- Mining Automation ready with modulation.
- Reverse battery polarity protection
- Long battery life 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 case
- Optional 90 degree prism heads
- Optional line output heads.
- Adjustment and mounting accessories available.

Mining Automation ready with modulation



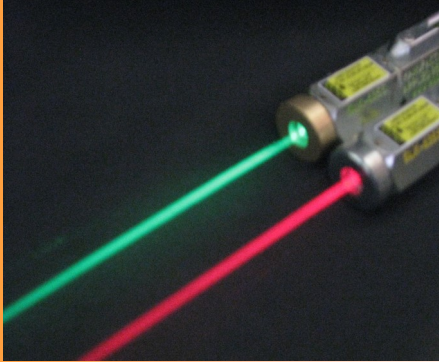
APPLIED RESOLUTION TECHNOLOGIES

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

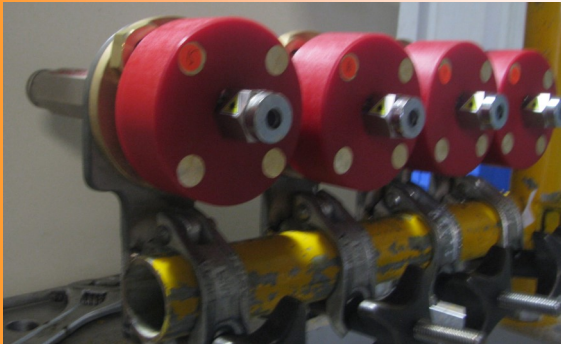
www.appliedresolution.com.au

SLM-635S :

THE SLM-635S 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.



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-635S is a unique Intrinsically Safe laser modular product for those applications where battery changing needs to be performed while preserving alignment. Also available with GREEN laser output by ordering the SLM-515S.



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 may be welded onto a clamping system for use with 48mm hanger bars, providing coarse alignment and tilt. Alternatively it may be bolted to site fixtures or provided with releasable magnetic mounts.

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 in a hazardous zone.

ACCESSORIES :

- FRAS APPROVED MOUNTING AND PRECISION ADJUSTMENT SYSTEM
- LINE GENERATING OPTICS
- 90 DEGREE PRISMS
- ROOF BOLT MOUNTING SYSTEM FROM M24 THREADS
- CARRY CASE
- ADAPTORS FOR EXISTING LASER MOUNTING SYSTEMS