



# Applied Resolution Technologies

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

SLX-635S... Safe, and ready for Automation. You have used our SLX-635P "pencil laser" for decades.....now the same tough product has some smarts... Better collimation , 1kHz modulation for sensing applications!!!



The SLX-635S is an Intrinsically Safe laser system is based on the SLX-635P laser used in underground mining for over 20 years. The laser product is proven, and is robust enough for the toughest environment. The SLX-635S is available as a Class 2 or Class 3R laser, and has improved optics for better beam definition over distance.

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

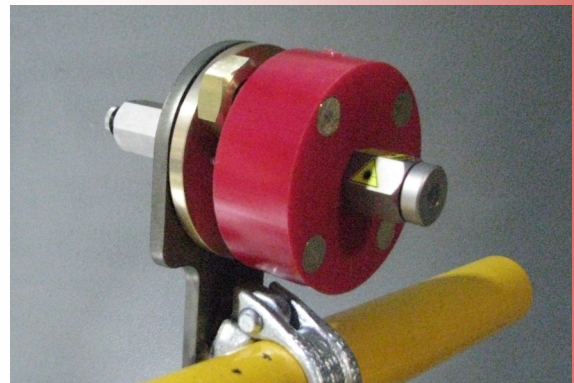
Intrinsically safe by design. Mine-Automation ready. Tough. Rugged. Efficient. Safe. And now with modulation features that enable the laser to be used with lock-in sensing technologies that identify the location of the beam.

## 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
- Working range > 120 m
- Conformity to Standards :
  - IEC 60079-0:2017
  - IEC 60079-11:2019
  - IEC 60825-1:2014
- 160mm long, 1" Hex body
- Beam aligned to hex body using proprietary means.
- Modulated for automation sensing and guidance.
- Electronically isolated diode laser component
- Micro laser control circuit with Auto Power Control.
- Reverse battery polarity protection
- Long battery life, 2 x AA cells.
- 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.

## Related :

- SLX-635P Standard Laser
- SLX-515S sensor-enabled green laser
- SLM-635S and SLM-515S modular laser and removable battery systems.

**AUTOMATION READY WITH MODULATION**