



# 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...3kHz modulation for sensing applications!!! Added features, lower price.



The SLX-635S is a Class 2 alignment laser system is based on the SLX-635P laser used in underground mining for over 10 years. The laser product is proven, and is robust enough for the toughest environment.

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, and reject cap lights and vehicle lighting. More than just a visible string-line.

## CERTIFICATION

- IECEx SIM 13.000x Ex ia I/IB 144 C
- 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.

## Specifications :

- Visible laser 635nm (red)
- Laser < 1.0mW Class 2
- Working range > 70 m
- Conformity to Standards :  
IEC 60079-0:2011  
IEC 60079-11:2011  
AS/NZS 2211.1:2004
- 145mm 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,.
- Embedded NiFeB magnets for simple attachment
- Spirit level for basic level
- 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

## 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

## DISTRIBUTOR



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# AUTOMATION READY WITH MODULATION