

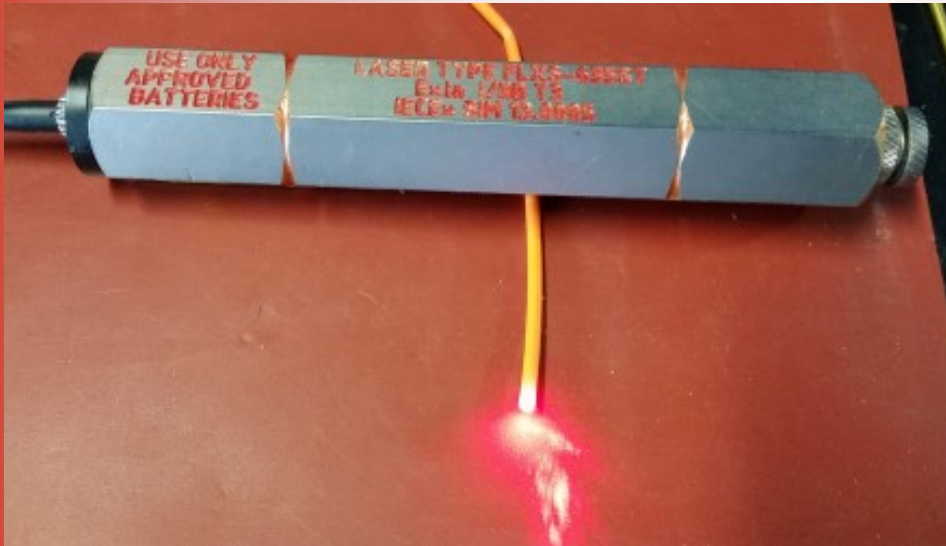


**Applied Resolution Technologies**

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

## OPTICAL FIBRE TESTERS

**FLXS-635-ST –SC...** Safe, proven reliability. –ST and –SC type fibre connection test lasers built on 24 years of proven reliability in intrinsically safe lasers.



The

FLXS-635-ST is an Intrinsically Safe 5 milliWatt fibre coupled visible red laser for use with –ST type fibres. The product is also available with appropriate fibre couplings for use with –SC type fibres as the FLXS-635-SC

It's visible red beam is classified Hazard Level 2M. The highly visible laser provides fibre continuity or breakage test over long distances and is IECEx Certified for use in underground coal or in oil/gas applications.

Intrinsically safe by design. Mine-Automation ready. Tough. Rugged. Efficient.

### CERTIFICATION

- IECEx SIM 13.0005 Ex ia I/II B 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.

### Specifications :

- Visible laser 635nm (red)
- Laser < 5.0mW Hazard Level 2M
- Working range > 4km
- Conformity to Standards :
  - IEC 60079-0:2015
  - IEC 60079-11:2015
  - IEC 60825-1:2015
- 145mm long, 1" Hex body
- Modulated for automation sensing.
- 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.
- Certification information engraved into the laser body for permanent label.
- Optional carry case

### APPLICATIONS :

- Underground mine comms checking.
- Tunnelling facility checking
- Finding breaks in fibre or poor connections

Manufactured, maintained and serviced in Australia.



**AUTOMATION READY WITH MODULATION**



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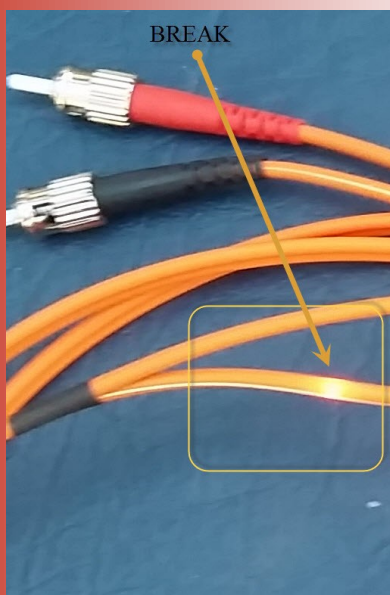
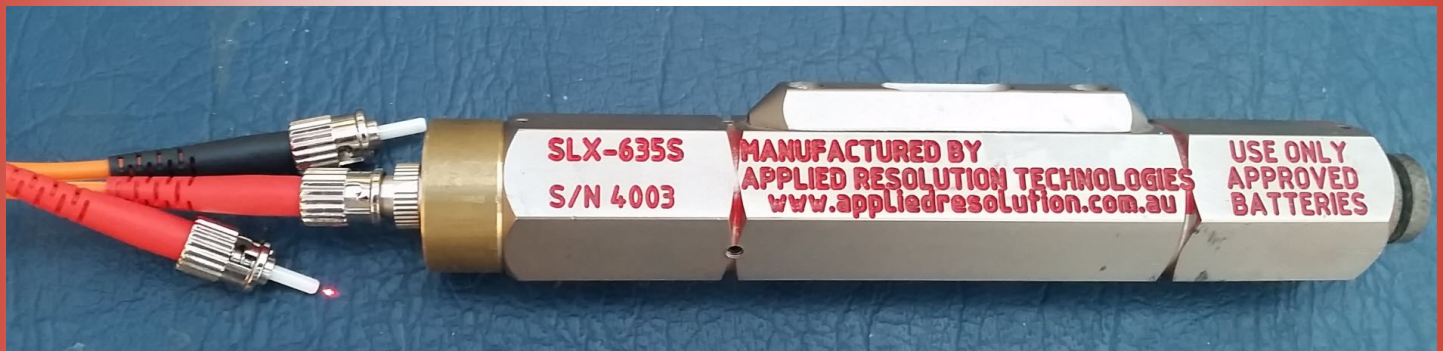
SLX-635S...

## FHX-ST FIBRE OPTIC HEAD



**SLX-635S laser**

The FHX-ST fibre optic test head is a very simple accessory for the SLX-635S Intrinsically Safe laser. It transforms the laser into a simple Intrinsically Safe test system for fibre optics in underground mining facilities and in oil/gas operations.



A simple yet effective solution to providing a fibre-optic test unit for use in hazardous environments. The FHX-ST optical head includes a focussing lens that sends a portion of the laser power into the fibre. There is sufficient laser power to visibly detect breaks in the fibre, and more than sufficient to determine the end of the fibre downfield.

The SLX-635S laser has optical axis adjustment screws to optimize the coupling of laser power. And a locking set screw to hold the optical fibre head in place.

**AUTOMATION READY WITH MODULATION**