

SL series stabilised HeNe lasers



The SL series of stabilised HeNe lasers consist of a compact cylindrical head incorporating a high-voltage supply plus an external 12VDC power supply. By employing a patented two-longitudinal-mode stabilisation technique rapid warm-up and long-term frequency stability can be ensured.

The output beam consists of either a single plane-polarised longitudinal mode or two mutually orthogonal plane-polarised longitudinal modes, depending upon the model involved.

An internal thread at the beam exit allows the installation of mechanical shutters or various optical components, e.g., fibre couplers. Using the thread to permanently install a fibre coupler directly onto the laser head virtually eliminates the need for realignment. Couplers with pigtails for mating to monomode or multimode fibres are optional.

Major features and benefits:

- High long-term frequency stability
- Rapid warm up
- Compact design
- Internal thread at beam exit for installation of accessories such as fibre couplers
- CE marked and compliant with:
 - 73/23/EEC, 89/336/EEC
 - EN 61010-1, 60825-1, 55011, 50082-1

