

LidaM 1599

High Peak Power Eye-Safe LIDAR Source

The LidaM is a high peak power pulsed, flash lamp pumped, eye-safe infrared laser developed specifically as a LIDAR source.

Features

- Eye-safe infrared output
- 25 MW peak pulse output power
- ≤ 1 ns pulse width
- Articulated arm for simple integration into OEM products
- Near TEM₀₀ beam quality
- TEC/Air cooling
- External computer control over the repetition rate via the built-in RS232 port

Applications

- Eye-safe LIDAR
- Laser Dermatology
- Internal medicine (Endoscopy, etc.)

Specifications

| Parameter | LidaM 1599 |
|------------------------------------|-------------------------------------|
| Wavelength | 1599 nm |
| Repetition Rate | Up to 30 Hz |
| Energy Output | Up to 25 mJ |
| Pulse-to-pulse stability | < 10 % |
| Pulse Duration | ≤1 ns |
| Q-switch | Passive/Active |
| External control | Connector/pin for TTL trigger input |
| Cooling | TEC/Air cooled |
| Operating temperature and humidity | 10-28° C; 10-90 % |
| Vibration, acceleration | Standard FedEx test |

All Specifications Subject to Change without Notice

Content and Delivery

The delivered laser consists of the following:

- Laser Head;
- Integrated Power/Cooling Unit;
- Connecting Cables;
- Manual; and
- Test Record.

Warranty

6 months for parts and labour.

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