

## COMPILER 1599

### Eye-safe Picosecond Laser for Unmatched Range Resolution

All Solid-State Infrared Picosecond Laser



The Compiler 1599 is an affordable, high peak power, rugged, compact, all solid state, picosecond, infrared laser.

### Features

- 150 ps Pulse width
- High Reliability
- Hand-Held and Robust
- Affordable

### Applications

- Precise Eye-safe Ranging
- Terrain Profiling
- 3D Mapping of Urban Areas
- Landing and Docking
- Vehicle Collision Avoidance
- Security Zone Monitoring
- Medical Applications





## Specifications

<b>Parameter</b>	<b>Compiler 1559</b>
<i>Wavelength</i>	1599 nm
<i>Repetition Rate</i>	200 Hz
<i>Energy Output</i>	150 $\mu$ J
<i>Pulse-to-Pulse Stability</i>	< 5 %
<i>Mode Structure</i>	< 2 x Diffraction Limit
<i>Pulse Duration</i>	150 ps
<i>Q-Switch</i>	Passive
<i>External Control</i>	Connector/pin for TTL trigger input
<i>Electrical Service</i>	100-240 VAC, 47-63 Hz, Single Phase
<i>Power Consumption</i>	< 40 W
<i>Laser Unit Dimensions</i>	435 x 195 x 122 mm <sup>3</sup>
<i>Pulse Counter</i>	Accessible via RS-232 port (up to $4 \cdot 10^9$ pulses)
<i>Operating Temperature and Humidity</i>	18-28° C; 10-80 %

## Content and Delivery

The delivered laser consists of the following:

- Integrated Laser Head/Power Unit;
- Power Cable.

## Warranty

1 year for all parts and labor excluding the laser pump diode. The pump diode is warranted for the lesser of 1 year or  $10^9$  pulses.

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