



Founded in September 1991, Laserdyne Pty Ltd is an Australian engineering and manufacturing company specialising in electro-optic products for military, paramilitary and similar applications in demanding environments. Laserdyne designs, develops and manufactures its own products, and operates a quality management system to the ISO9001 standard. The company supplies Laser Rangefinders, High and Standard Definition Flat Panel Displays, and Video Recorders to its international client base including military, law enforcement and similar customers.

The RangePRO series is a family of advanced laser rangefinder modules for integration into larger systems such as weapons fire control, thermal sensing or surveillance and tracking stations. They are ideal for OEM applications, and are designed to operate in demanding environments.

All models feature Laserdyne's unique Digital Rangefinding Technology, employing advanced digital signal processing techniques to provide high accuracy, reliable ranging, multiple target detection, and low false alarm probability. All return signals from the time of firing are digitized and all target returns are detected and stored. This technology identifies and extracts real target returns even under conditions that result in low Signal-to-Noise Ratios.

RangePRO laser rangefinder modules fall into two categories:

Single-shot/Low Rep Rate Modules

These employ flashlamp pumped Nd:YAG/OPO eye-safe laser transmitters, operating from single shot to 1Hz rep. rate, and proven over years of use. They are noted for their compact structure, and their reliability over a wide temperature range.

Repeat Pulse Modules

These employ state-of-the-art diode-laser pumped Nd:YAG/OPO eye-safe laser transmitters, operating from single shot to 30Hz rep. rate. They exhibit excellent stability over a wide temperature range, with some models capable of ranging to distances greater than 30km.

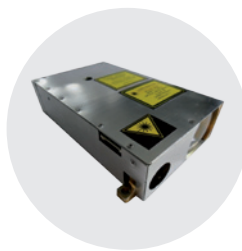


Laser range finders



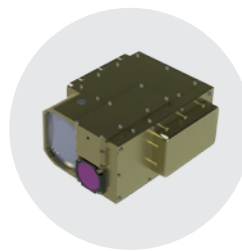
GSLR-2KO-R

- Open frame
- Compact design, light weight
- Single-shot to 1Hz LRF module, flashlamp pumped
- Standard clear conditions: 4.5km vehicle target; 10km large target
- Approx. module size & mass: L 159 x W 65 x H 46.5 mm; 0.525 kg
- Laser Class 1M



HPCL-10KO

- Open frame
- Ultra compact design, light weight
- Single-shot (to 12 shots per minute) LRF module, flashlamp pumped
- Standard clear conditions: 10km vehicle target; 20km large target
- Approx. module size & mass: L 130.5 x W 79.8 x H 31.8 mm; 0.415 kg
- Laser Class 1M



HPCL-20KO

- Open frame
- Compact design, light weight
- Single-shot to 1Hz (with duty cycle) LRF module, flashlamp pumped
- Standard clear conditions: 12km vehicle target; 26km large target
- Approx. module size & mass: L 131 x W 107.8 x H 66.9 mm; 0.875 kg
- Laser Class 1M



L20LC

- Sealed housing
- Alignment scope
- Single-shot to 1Hz (with duty cycle) LRF module, flashlamp pumped
- Standard clear conditions: 10km vehicle target; 18km large target
- Approx. module size & mass (with scope): L 255.8 x W 142 x H 80.2 mm; 3.25 kg
- Laser Class 1M



Laser range finders



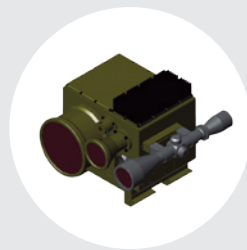
L5LGH, L5LUH, L5LUR

- Sealed housing
- Compact design
- Red alignment laser (model dependent)
- Single-shot to 1Hz (model dependent) LRF modules, diode laser pumped
- Standard clear conditions: >6km vehicle target; >12km large target
- Approx. module size & mass: between L 122.5 x W 94 x H 65.5 and L 138 x W 104 x H 66 mm; 0.85 to 1.05 kg
- Laser Class 1 or 1M (model dependent)



L-GM5

- Sealed housing
- Alignment scope, and red alignment laser
- Single-shot to 5Hz (with duty cycle) LRF module, diode laser pumped
- Standard clear conditions: 11km vehicle target; 20km large target
- APD detector option for increased range
- Approx. module size & mass (with scope & mount): L 312.6 x W 237.1 x H 143 mm; 5.6 kg
- Laser Class 1M



L-GM20

- Sealed housing
- Alignment scope, and red alignment laser
- Single-shot to 20Hz (with duty cycle) LRF module, diode laser pumped
- Standard clear conditions: 12km vehicle target; 25km large target
- APD detector option for increased range
- Approx. module size & mass (with scope & mount): L 315 x W 301 x H 245.9 mm; 10.8 kg
- Laser Class 1M



L-NAV30K

- Sealed housing, maritized incl. sunshield and wiper
- Alignment scope, and red alignment laser
- Single-shot to 30Hz (with duty cycle) LRF module, diode laser pumped
- Standard clear conditions: 12km vehicle target; 25km large target
- APD detector option for increased range
- Approx. module size & mass (with scope, sunshield, wiper & mount): L 420 x W 316.9 x H 284.9 mm; 17 kg
- Laser Class 1M



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