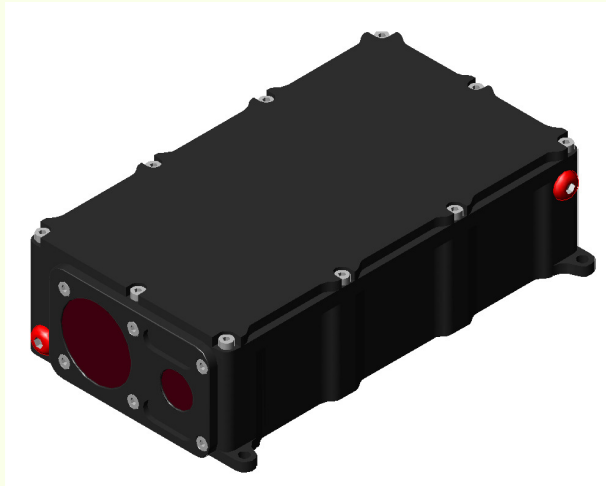


Product Summary

RangePRO Model GSLR-1K Laser Rangefinder Module



“Advanced digital ranging technology: precise, compact, robust.”

Suitability

OEM module for integration into sensing, surveillance, tracking & weapons stations, and thermal imaging cameras; for land, sea or airborne applications; designed to withstand vibration, shock, and extended temperature operation, EM shielded.

Rangefinding

read-out limits (factory selectable)	min.	50;
	max.	10,000.
performance *	man (0.45x1.8m)**	2,000;
	small (1x1m)**	2,500;
	vehicle (2.3x2.3m)**	4,000;
	building (large)**	7,500.

* Standard Clear atmosphere; Extinction Coefficient 0.038 @ 1,570nm (Beta Spec); sea level visibility = 23.5km.

** Target albedo = 0.2 @ 1,570nm.

Sealing

Hermetic.

Laser Safety

Class 1M. ***

*** AS/NZS IEC60825.1 2011.

General

Sighting

Laser

Rangefinder -

1km range class

Dimensions

length	127 mm;
width	79 mm;
height	34.5 mm;
mass	0.365 kg.

Transmitter

laser type	Nd:YAG/OPO;
wavelength	1,565 to 1,575 nm (1,570 nominal);
output	nominally 8mJ [to Class 1M limit];
ranging rate	single shot to 1Hz burst.

Detector

InGaAs with time variant gain.

Range Determination

Signals from the detector are digitally sampled and examined to determine all potential real target returns. An adaptive range threshold compensates for changing noise levels, maximising system capability under varying conditions.

Power

5 to 9Vdc input.

Comms

RS-422 19,200 Baud.

Mounting

3-point mount, with guide pins.



A Division of Laserdyne Pty Ltd
A.C.N. 053 743 132

17 Production Ave
Molendinar
Queensland 4214
Australia

Tel: (07) 5594 9772 Int'l Tel: 61 7 5594 9772
Fax: (07) 5594 9981 Int'l Fax: 61 7 5594 9981

email: laserdyne@laserdyne.com.au
website: www.laserdyne.com.au

The information contained herein is proprietary to Laserdyne Pty Ltd. No part of this work may be reproduced or copied in any way without prior written permission of Laserdyne Pty Ltd.

Note: specifications herein are subject to change without notice.

Copyright. All Rights Reserved. Laserdyne Pty Ltd