



ELRF Eye Safe Laser Range Finder

The ELRF is a robust, flexible and compact range-finder with applications in civil, military (land + naval) and industrial sectors.

The ELRF is manufactured in Australia by Fire Control Systems Pty. Ltd (FCS), an EOS company. The ELRF was designed under ISO 9000:2000 quality standards, by FCS' skilled and experienced design team.

This module has been designed to enable ease of integration, easy repair access, and a superior accuracy ratio.

The ELRF has been integrated into EOS sensor units, and is in service with armed forces globally.

ELRF Features

- One connector CONN. 9-WAY MICRO D-SOCKET
- RS 232 asynchronous serial control
- Approx. 2000 hours mean time between mission failures (in EFCS¹ application)
- HAEMP (High Altitude Electro-Magnetic Pulse) resistant
- Operable in wide temperature range
- Complies to MIL-STD-810F
- Successfully integrated into the EFCS for CROWS (US Army, Dutch Armed Forces + others)

¹EFCS: Electronic Fire Control System



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Technical Specifications

Voltage Input:	18 to 32 V dc (Nominal 28 V dc)
Operating temperature:	-32°C to +60°C
Lase rate:	6 per min (0.1 Hz)
Laser range capability²:	50 – 10000 m
Range accuracy:	±5 m
Range resolution:	5 m
Laser classification:	Eye Safe Class 1
Wavelength:	1.54 µm
Radiant energy:	< 8 mJ
Depth:	37 mm
Width:	96.8 mm
Length:	271.5 mm
Weight:	1226 g

²Target size = 2.3 m x 2.3 m, Visibility = 23.5 km, Target refl. = 25 % and target is oriented at right angles to laser line of sight.

Contact

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