



## 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 EFCS<sup>1</sup> 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)

<sup>1</sup>EFCS: Electronic Fire Control System



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## Technical Specifications

<b>Voltage Input:</b>	18 to 32 V dc (Nominal 28 V dc)
<b>Operating temperature:</b>	-32°C to +60°C
<b>Lase rate:</b>	6 per min (0.1 Hz)
<b>Laser range capability<sup>2</sup>:</b>	50 – 10000 m
<b>Range accuracy:</b>	±5 m
<b>Range resolution:</b>	5 m
<b>Laser classification:</b>	Eye Safe Class 1
<b>Wavelength:</b>	1.54 µm
<b>Radiant energy:</b>	< 8 mJ
<b>Depth:</b>	37 mm
<b>Width:</b>	96.8 mm
<b>Length:</b>	271.5 mm
<b>Weight:</b>	1226 g

<sup>2</sup> Target 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

EOS Optronics GmbH ■ Ulrichsberger Str. 17  
94469 Deggendorf - Germany  
Telefon +49 991 344 788-0 ■ Telefax +49 991 344 788-129  
[info@eos-optronics.com](mailto:info@eos-optronics.com) ■ [www.eos-optronics.com](http://www.eos-optronics.com)