MLRF-S

MONOCULAR LASER RANGEFINDER

MLRF-S is designed to improve your vision and provide the power of a monocular in a laser rangefinder.

It is a rugged and modern laser rangefinder monocular integrated with premium glass optics. It ranges up to 2500+ m on reflective targets with a CLASS I eye-safe laser and optimized beam divergence for maximum reliability on small targets.

It allows one-handed usage with its ergonomic design. Operating with one-button is easy to learn. Within milliseconds, distance will appear just by one push.

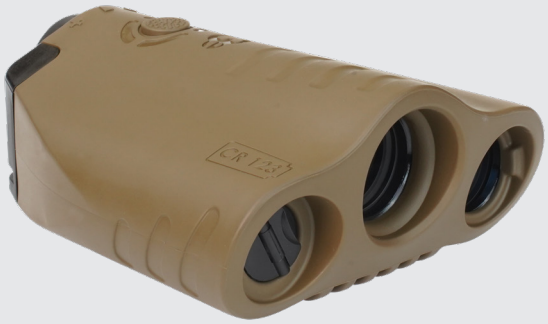
Reinforced and rubberized protection on its housing provides solid protection from harshest environmental conditions.

It is portable and ideal for the elite users to carry it out with its extremely compact and lightweight design.

MLRF-S can be used in the harshest conditions with zero concern.

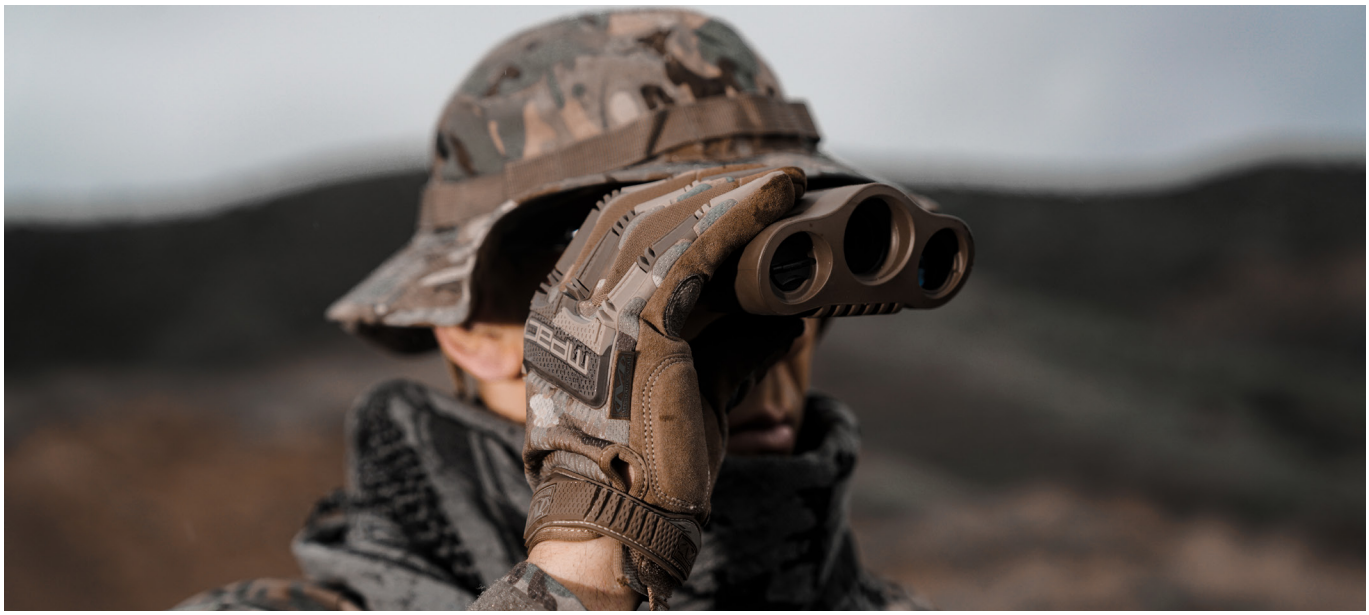
Mechanical Data	
Housing Material	High Grade Polymer w/NBR+PVC Armour
Color	FDE
Weight	260 g (9.17 oz)
Dimensions (WxLxH)	105x128x50 mm (4.13x5.04x1.97 in)
Tripod Interface	1/4”

Optical Data	
Observation	Monocular
Optical Magnification	7x
Objective Diameter	25 mm
Eye Relief	16 mm
Exit Pupil	3.6 mm
Focus	Fixed
FoV @1000 m	6° (105 m)
Diopter	± 3 dpt



KEY FEATURES

- **HIGH-QUALITY OPTICAL COMPONENTS**
  High-quality optics for exceptional performance in low-light conditions
- **HIGH LIGHT TRANSMITTANCE**
  Exceptional image quality with high light transmittance across the entire spectral range
- **LIGHTWEIGHT AND COMPACT DESIGN**
  Lightweight and compact design for ease of use
- **ACCURATE AND RELIABLE**
  High precision laser technology for the most accurate and reliable results
- **EYE-SAFE OPERATION**
  Equipped with a CLASS I eye-safe laser per IEC 60825-1



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Display Data

Type	OLED
Featured Information	Horizontal Equivalent Distance, Vertical Equivalent Distance, Elevation, Azimuth

Laser Rangefinder Data

Laser Wavelength	905 nm
Class	CLASS I (Eye Safe)
Range [1]	10 m - 2500 m
Scan Mode	Yes
Measurement Accuracy	± 2 m (up to 1000 m), ± 3 m (up to 1000-2000 m), ± 5 m (>2000 m)
Beam Divergence (typical)	3 mRad
Repetition Rate	2 Hz
Time per Measurement	<0.25 sec

Digital Magnetic Compass

Units	360°
Resolution	1°
Azimuth Accuracy	± 5°
Inclination Accuracy	± 1°

Electronical Data

Battery	1 x CR123 (3V)
Battery Life [2]	2500+ measurements

Environmental Data

Operating Temperature Range	-32˚C to +49˚C (-26˚F to +120˚F)
Storage Temperature Range	-40˚C to +71˚C (-40˚F to +160˚F)

■ Other MIL-STD-810G tests are applicable. Please contact us for detailed information.

Standard Accessories [3]

■ Soft Carrying Bag	■ User and Operating Manual
■ 1 x CR123 [3V]	■ Neck Strap
■ Lanyard	■ Suede Pouch
■ Lens Cleaning Cloth	■ Lens Cleaning Brush

Optional Accessories [3]

☐ Hard Case	☐ Lens Protection Cover
☐ Tripod Connection Interface	

(1) Base performance is 2000 m based on the target: 2.3 m x 2.3 m, visibility: 30 km albedo: 0.6, detection probability > %90
(2) Battery life may vary depending on environmental and atmospheric conditions.
(3) Accessories may vary. Please contact us for detailed information.

Contact 3E for product codes and SKUs.

Classified according to
IEC 60825-1:2014

2002/95/EC

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