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Envision Technology, LLC



MARS

MARS

MINIATURE ADVANCED RANGEFINDER SYSTEM

OVERVIEW

The Miniature Advanced Rangefinder System (MARS) brings precision weapon-mounted laser rangefinding capability to the user in an exceptionally small form factor. With an integrated Applied Ballistics solver, visible and Near Infrared (NIR) pointers, NIR illuminator, and Bluetooth interface to external peripherals such as the Kestrel weather meter, the MARS delivers >2,000m range performance in an affordable package weighing less than 8 oz.



USER BENEFITS

- Extremely compact and lightweight design minimizes impact on the host weapon system
- Speed and Precision modes for fast response or far-target rangefinding
- Scan mode (rapid) for easy target discrimination
- Haptic Feedback during rangefinding
- Integrated Applied Ballistics solver to compute target holds for increased lethality
- Integrated Bluetooth interfaces to external devices such as the Kestrel Weather Meter and/or external displays
- Ability to quickly adjust aiming and illumination laser intensity to support dynamic battlefield conditions
- Intuitive user interface
- Imperial, Metric, or Mixed units
- Adjustable display and LED brightness for day or night operation
- MIL-STD-1913 rail interface to mount to a wide variety of weapon platforms
- Ability to rotate display text for multiple mounting positions
- Operates on a single CR123 battery

MARS FEATURES

NSN: 1240-99-984-0230

LRF

1550nm, Class 1
>2,000m on 30% reflective man-size target
>3,000m on 30% NATO target

LFR Modes

Speed, Precision, Scan (rapid)

Weight

< 8 oz
(with Battery)

Mounting Interface

MIL-STD-1913
Rail Grabber

Dimensions

<3.9" x 2.8" x 1.5"
(Above Rail)

Power

Single CR123 Battery

Visible Pointer

Output Power	3.0mW Low Power (Class 3R) 38mW High Power (Class 3B)
Divergence	0.3mrad
Wavelength	640nm

NIR Pointer

Output Power	0.3mW Low Power (Class 1) 25mW High Power (Class 3B)
Divergence	0.3mrad
Wavelength	850nm

NIR Illuminator

Output Power	4.0mW Low Power (Class 1) 120mW High Power (Class 3B)
Divergence	1 - 6 degrees
Wavelength	860nm

Wireless Interface

2 Way Bluetooth

Ballistic Computer

Applied Ballistics

ALL PERFORMANCE VALUES ARE NOMINAL UNLESS OTHERWISE INDICATED