



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 >1,500m on 10% reflective man-size target >2,000m on 30% reflective NATO target
Weight	< 8 oz
Dimensions	3.6" x 2.5" x 1.4"
Visible Pointer	
Output Power	3.5mW (low) Class 3R / 38mW (high) Class 3B, +/-20%
Divergence	0.5mR (+/- 0.3mR)
Wavelength	~640nm (at 20C)
NIR Pointer	
Output Power	0.45mW (low) Class 1 / 25mW (high) Class 3B, +/-20%
Divergence	0.5mR (+/- 0.3mR)
Wavelength	~850nm (at 20C)
NIR Illuminator	
Output Power	5.0mW (low) Class 1 / 105mW (high) Class 3B, +/-20%
Divergence	1 - 6 degrees (+/- 20%)
Wavelength	~860nm (at 20C)
User Interfaces	Three-button user interface, rotary switch
Wireless Interface	2 Way Bluetooth communication
Ballistic Computer	Applied Ballistics, Integrated
Modes	Speed, Precision, Scan (rapid)
Mounting Interface	MIL-STD-1913 Rail Grabber
Power	Single CR123 Battery

