The Vingmate Multi-Ray 500 is a rail mounted fire control specially designed for 40mm low and medium velocity grenade launchers and shoulder launched rockets (e.g. M72/AT4). Its unique light weight construction adds just 11.3 ounces (300 grams) to the host weapon. The Multi-Ray 500 supports multiple weapons and ballistics in one package increasing the lethality of the user while simplifying training and reducing cost.

**Set Distance – Aim – Fire.**

- Light weight – 11.3 ounces or less
- Highly accurate (1 meter accuracy)
- Highly flexible
  - Supports multiple weapons
  - Supports multiple top sights
  - Supports multiple ammunitions including air burst (40mm and rockets)
- Ambidextrous – Designed for both right and left handed shooters
- Day and night capable (visible & infrared target marker incl.)
- Quick selector for two predefined ballistic tables
- Storage for up to 32 ballistic tables

**YOUR BENEFITS**

- Reduced engagement time
  - Fixed graduated scale
  - User customized display (1, 5 or 10 meters)
- Cost effective

- Significantly improved first hit probability
- Reduced ammunition consumption
- Increased mission endurance
- Operational in less than 0.5 seconds
- Easy to handle/employ
- Supports all users (left and right handed)
- User customizable for best performance
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>14.65 inches³/240 cm³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight without sight</td>
<td>9.7 ozs/275 grams</td>
</tr>
<tr>
<td>Weight with sight</td>
<td>11 ozs (DOCTER® sight), 11.3 ozs (Trijicon RM06)</td>
</tr>
<tr>
<td>Elevation movement</td>
<td>0–45 deg (785 mrad)</td>
</tr>
<tr>
<td>IR laser</td>
<td>Min 0.7 mW/max 30 mW</td>
</tr>
<tr>
<td>IR Illuminator</td>
<td>Min 3.5 mW/max 30 mW</td>
</tr>
<tr>
<td>Ballistic tables</td>
<td>Up to 32</td>
</tr>
<tr>
<td>Communication (air burst/external devices)</td>
<td>RS 232</td>
</tr>
<tr>
<td>MET-sensor</td>
<td>Accuracy ±1 mbar and ±0.8°C</td>
</tr>
<tr>
<td>Physical interface</td>
<td>Picatinny/NAR (bracket for M320 standalone)</td>
</tr>
<tr>
<td>Power (run time)</td>
<td>96h using one 1500mAh CR123 battery</td>
</tr>
<tr>
<td>Operational (Off to On)</td>
<td>0.18 seconds</td>
</tr>
</tbody>
</table>

**Rapidly and accurately engage targets at range**

- Set distance
- Aim
- Fire

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