For rapid accuracy in the field, SORD is the only integrated sniper/spotter solution.
SORD™: The Sniper’s Edge

SORD™ (Shooter Objective Ranging Device) links two mission-critical tools for accurate aiming solutions – with flexibility and speed that no other system can provide. Industry leaders Horus Vision and Vectronix Inc. have teamed up to deliver The Sniper’s Edge. SORD™ enables rapid ranging with a Vectronix Laser Range Finder (LRF) and instantly sends target data into the Horus ATrag™ MX Ballistics Calculator. In a flash, SORD™ creates versatile solutions for targets across multiple zones. It reduces the possibility of human error and eliminates manual entry of ranging data.

Features and Benefits of SORD™
- Links Vectronix Laser Range Finder (LRF) with Horus ATrag™ MX Ballistics Calculator
- Vectronix’ LRFs contain finest quality optics that instantly provide accurate target data at various ranges
- Horus ATrag™ MX Ballistics Software puts aiming solutions at users’ fingertips in a rugged, combat-proven device
- Transmits ranging data directly from LRF to ballistics calculator with the single push of a button
- No need to manually enter ranges into device
- Instantly displays solutions for multiple targets in multiple zones for any gun in gun list
- The only integrated solution of its kind available

Two Mission-Critical Tools, One Solution
SORD™ links a Vectronix LRF through a wired or wireless connection to the Horus ATrag™ MX Ballistics Calculator.

ATrag™ MX displays custom aiming solutions for any target/zone/gun combination.

SORD™ delivers aiming solutions for multiple targets entered instantly with the LRF

ATrag™ MX lets users enter custom data for multiple zones

Build custom gun lists
SORD comes configured for the Vectronix PLRF or MOSKITO, with Horus ATrag™ MX Ballistics Software in a combat-proven PDA. A connection cable is included. Wireless connectivity is available on models with wireless capability.

**OPTIONS**

**SPECIFICATIONS**

**PLRF (Available in two versions: 10C and 15C)**

- **Range Finder (distance) 10C/ 15C**
  - Laser Type (IR Diode): 905nm / 1550nm
  - Range Capability: 5m to 2500m / 5m to 3000m
  - Specified Performance: 1800m / 2500m (2.3m x 2.3m target, albedo 0.4, detection rate 90% at visibility 15km)
  - Accuracy: ±2m / ±2m (50m to 1500m), ±5m (<50m / >1500m)
  - Beam Divergence: 0.3mil x 1.5mil / 0.5 x 2.0mil

**Optics**

- Observation: monocular
- Magnification: 6x
- Reticle: red LED square and crosshair reticle with 5mil graduation
- Field of View: 6° (106mil)
- 1064nm Laser Protection: attenuation factor O.D. >4
- Power Supply: Standard, on board 2x 3V lithium battery, type CR123A
- Battery Capacity: > 5000 measurements

**Physical/General**

- Dimensions: 5.0 x 4.0 x 2.6 inches (125 x 101 x 65mm)
- Weight: <670g / 1.5lbs

**Digital Magnetic Compass**

- Azimuth Accuracy: (1°) ±10mil / ±0.6°
- Inclination Accuracy: (1°) ±3mil / ±0.2°
- Maximum Inclination Angle: 800mil / 45 ° in any direction
- Multiple Measurements: up to three objects in line-of-sight

**MOSKITO**

- **Range Finder (distance)**
  - Laser Type: 1550nm
  - Range Capability: 5m to 10000m
  - Specified Performance: 4000m (2.3m x 2.3m target, albedo 0.3, detection rate 90% at visibility 10km )
  - Accuracy: ±5m
  - Beam Divergence: ~0.5 x 0.9mil

**Optics**

- Observation: monocular
- Magnification: Day: 5x; Night: 3x
- Reticle: Day: glass reticle with 5mil graduation; Night: projected orange dot
- Field of View: Day: 6.25° (111mil); Night: 10.5 ° (187mil)
- 1064nm Laser Protection: Attenuation factor O.D. >4
- Power Supply: Standard, on board 2x 3V lithium battery, type CR123A
- Battery Capacity: Day: >4000 measurements; Night: ~24 hrs night vision operation plus ~2000 measurements

**Physical/General**

- Dimensions: 5.1 x 7.3 x 3.0 inches (130 x 185 x 75mm)
- Weight: 1200g / 2.65lbs

**ATrag™ MX Ballistics Calculator**

- Multiple Targets
- Multiple Zones
- Connects with SORD
- Connects with Kestrel
- Display in Mils, MOA, Clicks
- Customizable units of Measure
- Target Speed Estimator
- Target Range Estimator
- Custom Range Card Generator
- Custom Notes for Guns
- Gun List
- Gun Files
- Inclination Angle in Cosine & Degrees
- Muzzle Velocity Interpolation
- Ballistic Coefficient Interpolation
- Drop Truing (Reverse modeling)
- Coriolis & Spin Drift

**Device Specifications**

- Processor: Intel 400mhz PXA255 XScale
- Memory: 64 MB high speed SDRAM
- Storage: 256 MB onboard nonvolatile NAND flash
- Operating System: Windows Mobile 5.0 (premium)
- Display: 240 x 320 pixel color TFT with LED front light
- Ports: Stnd 9-pin male D-shell RS-232 serial & USB ports
- Expansion: 1-Type I & 1-Type II Compact Flash slots
- Size: 6.50" (16.5 cm) x 3.75" (9.5 cm) x 1.75" (4.5 cm)
- Weight: 17 ounces (490 g)

For rapid accuracy in the field, SORD is the only integrated sniper/spotter solution.
Combined Expertise for One Integrated Solution

**Industry-Leading Partners.** SORD is a joint venture from industry leaders Horus Vision and Vectronix Inc. The two companies share a vision for improving long-range shooting through quality optics, cutting-edge technology, and innovation. SORD combines both companies’ expertise into a single solution that is unmatched in the field of shooting today.

**About Horus Vision**

Horus Vision provides cutting-edge technology to improve rifle accuracy at extended ranges, increasing the likelihood of a first-round hit. Horus technology and designs deliver simplified, systemized shooting that make expert skill possible and improve accuracy at any distance. Horus products reduce the need for manual scope manipulation and mental calculation and incorporate sophisticated ballistics calculations. Horus Vision’s patented reticle replaces outdated mil-dot reticles to create a cutting-edge hardware that is combat-proven, meets military standards and can withstand the most rugged conditions.

**About Vectronix Inc.**

Vectronix is a leader in the development of integrated handheld, module, and precision systems for observance, detection, location, and targeting solutions. Leveraging core competencies in electro-optics, laser range finding, and north-finding technologies, Vectronix supports the activities of the defense, homeland security, and law enforcement communities. The Vectronix name is synonymous with Swiss-quality optics and north-finding technologies, and is widely recognized as the industry standard in digital magnetic compass technology (DMC). Vectronix Inc. conducts manufacturing operations in Newington, New Hampshire.

**Contact**

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