

POINTER

High Performance, Man Portable Target Acquisition System



Next generation Target Acquisition System for Fast, Accurate and Simple SIR, FO, JTAC and Fire Support Missions. The POINTER incorporates full GIS mapping system and intuitive operating interface. Pointer has operationally proven Targeting capabilities that are extremely fast and simple to operate therefore reducing cognitive load and enabling better performance in less skilled operators.

Main Advantages & Features

- ❑ Highly accurate target acquisition system < 1 mil
- ❑ Rapid setup procedures - Fast Time to Action
- ❑ Man portable, lightweight, robust with heavy payload capacity
- ❑ Low power architecture to maximize operating time and reduce battery packs
- ❑ Built-in tactical computer, incorporating full GIS system and mission planning
- ❑ Complete interface to Binoculars, HHTI, Designators, CCD cameras etc.
- ❑ Continuous, full scale fine adjust mechanism / Friction control for both axis
- ❑ Adjustable Counter Balance - Floating Payload

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Technical Specifications

POINTER Goniometer

Maximum payload:	20 Kg (44 lbs)
Counter balance:	Adjustable 1-20 Kg (1-44 lbs)
Horizontal range:	n x 360° / 6400 mils
Vertical range:	± 650 mils
Angular accuracy:	Better than 1 mRad (1 σ)
Angular resolution:	0.1 mRad in both axis
Fine adjust:	Full scale, both axis
GNSS:	GPS / GLONASS
Mission Computer:	Rugged mobile hardware, sunlight readable display
Communication:	RS232 / RS422 / USB (Optional – Wireless)
Power:	Rechargeable batteries External 10V-32VDC or 110-220 VAC
Leveling:	Illuminated circular bubble
Interface:	5/8" 11 UNC female
Weight:	4.1 Kg (9 lbs) (w/ mission computer)
Temperature range:	-30°C to +55°C
MIL-STD:	MIL-STD 810F / MIL-STD 461F

Mission Control App

North Finding:	<input type="checkbox"/> GIS / OrthoNav (Patented)
	<input type="checkbox"/> Manual Entry
	<input type="checkbox"/> Reference Points / Database
	<input type="checkbox"/> Celestial bodies
	<input type="checkbox"/> Digital Magnetic Compass
Position:	<input type="checkbox"/> GNSS <input type="checkbox"/> Digital Map
	<input type="checkbox"/> Resection <input type="checkbox"/> Manual Entry
Grids:	Configurable Datums and Projections
Angles:	Configurable Mils / Degrees
Mapping:	Standard Rasters, Digital Maps, DTM, 3D
Terrain Analysis:	Visibility analysis, shading, track analysis, height points, etc
Vector Layers:	Yes, multi-layer
AR:	Yes, map elements are projected on video
Targeting:	<input type="checkbox"/> Active Laser based target calculation
	<input type="checkbox"/> Passive, Zero Operational Signature
	<input type="checkbox"/> Visual fall of shot correction
	<input type="checkbox"/> Gun laying



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