



## MPS3™

2 MOA - Red Dot Reflex Sight  
with MGMount .50

- 2 MOA dot size
- 80,000 hours (over 8 years) of constant operation
- 7 night vision compatible settings and 9 daylight settings
- Weight 1250 g (44.1 oz) sight and mount
- Submersible to 1 meter (3 feet)
- Height of Optical Axis 77 mm (3.0 in) measured from top surface of mechanical interface

INCLUDES: MG Mount .50, Bikini Lens Cover, AA Battery, 2 Allen Keys

ITEM NO. 12628

## PRODUCT OVERVIEW

The Aimpoint® MPS3 is a passive electronic reflex collimator sight designed primary for use on medium and heavy machine guns and crew served support weapons.

Developed primarily for mounted weapons operations, the MPS3 is ideal for use on land vehicles, helicopters or fast attack boats and ships. It is designed to stand up to heavy weapons recoil. The Aimpoint MGMount has been specifically designed to use with the MPS3. It contains a user friendly 3-step ballistic compensator with preset range adjustment which can be quickly changed by the operator without losing eye contact with the target, even while wearing gloves. Has to be ordered separately.

Launched: 2007

## KEY FEATURES

- Suitable for medium or heavy support weapons
- 500,000 hours of use on NVD setting
- One Function Principle for ease of use in field (one rotary switch for light intensity)
- Manually adjustable reticle brightness
- Accessory rails on the sight allow for mounting IR or visible lasers.
- Anodized high strength aluminum housing, semi-matte black
- Export License/End-user Certificate required for this product.
- NVD compatible

## TECHNICAL

# SPECIFICATIONS

### MOUNTING SPECIFICATIONS

**Mounting Solution** MG Mount .50

**Torque - Mount to Rail** 6.0 Nm / 53 in-lbs

**Torque - Mount to Sight** 8.8 Nm / 78 in-lbs

### ENVIRONMENTAL SPECIFICATIONS

**Submersible to** 1 m / 3 ft

**Radioactive Material** None

**Temperature Range Storage** - 51°C to + 71°C / - 60°F to + 160°F

**Humidity - Operable during and after Humidity. Limits:** Operable during and after Humidity. Limits: RH: 95%, Temp: +20°C to +50°C (+68°F to +122°F), cyclic

**Vibration - Withstands vibration. Limits:** Withstands Vibration. Limits: Vibration, sinusoidal in a frequency range of 10-150 Hz. Frequency: 10-30 Hz, ±1.587 mm, Frequency: 30-150 Hz. 5.75 g, 1 octave/min. Direction: X, Y and Z, Time: 30 min/direction.

**Laser** No Laser Emission

**Temperature Range Operation** - 45°C to + 71°C / - 49°F to + 160°F

**Temperature Shock** Operable after a temperature shock between - 45°C and + 71°C / - 49°F and + 160°F

**Shock - Operable before and after shock. Limits:** Operable before and after shock. Limits: X-axis: 500 g, 0.7 – 1.1 ms (3 shocks), Y-axis: 40g ±4g, 11 ±1ms (2 shocks in each direction, Z-axis: 40g ±4g, 11 ±1ms, 2 shocks in each direction.

**Chemical Resistance** Withstands occasional contamination by weapons cleaners, lubricants, fuels and insect repellents.

### PHYSICAL SPECIFICATIONS

**Size L x W x H** 193 x 86 x 132 mm

**Weight** 1250 g

**Size L x W x H - Sight Only** 175 x 86 x 82 mm

**Weight - Sight Only** 725 g

**Material Housing and Tube** High Strength Aluminum

**Color Housing** Black

**Height of Optical Axis** 77 mm / 3.0 in measured from top surface of mounting platform

**Size L x W x H** 7.6 x 3.4 x 5.2 in

**Weight** 44.1 oz

**Size L x W x H - Sight Only** 6.9 x 3.4 x 3.2 in

**Weight - Sight Only** 25.6 oz

**Surface Finish Housing** Anodized, Semi-Matte

**Lens Covers** Bikini Lens Cover, Rubber, Solid

**Adjustment 1 Click** = 50 mm at 100 m / 2.0 in at 100 yds

### POWER SOURCE SPECIFICATIONS

**Battery Life** 50,000 h at setting 12 (room temperature)

**Battery Quantity** 1

**Power Switch** Rotary Switch

**Daylight (DL) Settings** 9

**Battery Type** AA, 1.5 - 5.0V, Alkaline / Lithium

**Battery Size** AA

**Night Vision Device (NVD) Settings** 7

## OPTICAL SPECIFICATIONS

**Dot Size** 2 MOA

**Night Vision Device (NVD) Compatible** Yes

**Eye Relief** Unlimited

**Dot Color** Red

**Optical Coating** Anti-reflex coating all surfaces and multilayer coating objective lens

**Clear Aperature** 33 mm / 1.3 in

**Magnification** 1X - No Magnification

**Transmission** Average 70% in the range 420 - 900 nm

**Diode** LED (Light Emitting Diode) totally eye safe

**Light Source Wavelength** 650 nm red light

**Optical Signature** No optical signature is visible at 10 meter distance, front side, on appropriate settings with NVD

**Parallax** Absence of parallax - No centering required

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## TECHNOLOGY SPECIFICATIONS

**Operating Principle** Reflex collimator sight - red dot sight

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