



PYSER - SGI LIMITED
Fircroft Way, Edenbridge, Kent,
United Kingdom, TN8 6HA
Telephone: +44 (0)1732 864111
Facsimile: +44 (0)1732 865544
Email: sales@pyser-sgi.com
www.pyser-sgi.com

Defence & Security Products Division

PNP-MS

Miniature RED DOT Night Vision weapon sight



The PNP-MS red dot image intensifier night vision weapon sight is based on the highly successful PNP-M, the world's smallest, lightest and best night vision monocular.

It incorporates an illuminated red dot aiming mark for rapid and precise target acquisition, the on/off switch giving the choice of low and high red dot brightness levels. The superimposition of the red dot on the green image intensified picture considerably enhances the speed and clarity of aiming as a result of the instantly obvious colour difference and is much appreciated by firers using red dot or holographic day sights.

Mounted as standard on the proven Picatinny sight mount, windage and elevation click adjustments are made by slotted screws suitable for coins or screwdrivers.

The PNP-MS is available in a wide range of image intensifier tube specifications, has four lens options, protected by rugged Butler Creek flip up lens caps, giving 1x, 2x, 3x and 6x magnifications and making it ideally suitable for all small arms in calibres 4.6mm to 9mm.



Nitrogen filled, the PNP-MS is submersion resistant to 20m for one hour and this, coupled with its use of only one AA commercial battery giving an autonomy of at least 40 hours, makes it suitable for even the most demanding missions.

In addition the PNP-MS can be quickly removed from the weapon to be used as a hand held night vision monocular using accessories of the world beating PNP-M monocular.

The PNP-MS sight is made by Pyser-SGI in Britain to ISO 9001 quality standards and meets the operational requirements of military and police operations in all environments.

PNP-MS

Miniature RED DOT Night Vision weapon sight

Technical Specifications

Optical		Physical	
Magnification:	1x, 2x, 3x, or 6x	Dimensions 1x	130 mm (l) x 77 mm (h) x 67mm *(w)
Objective focal length :	25, 50, 75 or 150mm	2x	135 mm (l) x 77 mm (h) x 67mm *(w)
Field of view:	40, 20,13, or 6.7 Degrees	3x	155 mm (l) x 79 mm (h) x 67mm *(w)
Red Dot Size	4 mils (1x), 2 mils (2x),	6x	168 mm (l) x 79 mm (h) x 67mm *(w)
(low and high brightness selectable)	1.3 mils (3x), and 0.7 mils (6x)		with folded eyecup
Focus :	1x, 2x, Fixed, 3x, 6x Manual	Weight 1x	565 gms without battery
Dioptr adjustment:	Minimum +3 to - 6	2x	615 gms without battery
Eyepiece lens:	25mm glass aperture	3x	690 gms without battery
Eye relief	27mm	6x	738 gms without battery
Electrical			Weight includes eyecup and lens cap
Power source	Single 1.5V "AA" battery or 1.5V "AA" format lithium type L91 (NSN 6135 01 333 6101) or 1.2V "AA" size rechargeable	Construction Eyeguard	Moulded glass filled polymer / aluminium Contoured soft fold back rubber eyecup
Battery life:	In excess of 40 - 100 hours dependent on tube and battery type	Environmental	
Low voltage indicator	Yellow LED in eyepiece	Waterproof	Immersion proof 20m 1hr, Nitrogen filled
		Temperature	Operation -45°C to +55°C Storage -51°C to +65°C

TUBE COMPARISON CHART				
	Gen 2+ (5319) Minimum	Gen 2++HD (6023) Minimum	XD-4 Autogated and non-autogated Typical	XR5 Autogated and non-autogated Typical
Sensitivity (µA/lm)	500	650	700	800
Resolution (lp/mm)	53	60	64	72
Signal to Noise ratio	19	23	23	28
Figure of Merit (FOM) Typical	1007	1380	1472	2016

Ordering Information - Part Numbers

The part number indicated by lens, sight mount and tube type comprises PNP-MS weapon sight fitted to Picatinny sight mount, in padded protective pouch containing full pictorial waterproof instructions.

Lens Option	Tube Type					
	Gen 2+	Gen2++HD	XD-4	XD-4A	XR5	XR5A
25mm 1x mag	560-1112+	560-1112++HD	560-111XD4	560-111XD4A	560-111XR5	560-111XR5A
50mm 2x mag	560-1212+	560-1212++HD	560-121XD4	560-121XD4A	560-121XR5	560-121XR5A
75mm 3x mag	560-1312+	560-1312++HD	560-131XD4	560-131XD4A	560-131XR5	560-131XR5A
150mm 6x mag	560-1612+	560-1612++HD	560-161XD4	560-161XD4A	560-161XR5	560-161XR5A

Accessories	
550-007	Shuttered eyeguard, NSN 6650-99-789-6513. Screws directly to sight without removing standard eyeguard.
560-007-010	Anti-mist filter for eyepiece, NSN 6650-99-731-1262
FBS-034	Small Hermetic Case, holds PNP-MS in its pouch

Export of this product from the UK is controlled under U.K. Export Licence Regulations. All goods are supplied under our standard conditions of trade. We reserve the right to amend design and specifications without prior notification

Visit our website on www.pyser-sgi.com for further information on the complete range of products available from Pyser-SGI Limited.



PYSER - SGI LIMITED
 Fircroft Way,
 Edenbridge, Kent,
 United Kingdom, TN8 6HA
 Telephone: +44 (0)1732 864111
 Facsimile: +44 (0)1732 865544
 Email: sales@pyser-sgi.com
www.pyser-sgi.com

PYSER - SGI (ASIA) PTE LTD
 65 Ubi Crescent,
 #06-01 Holo Centre,
 408559 Singapore
 Telephone: +65 6749 7784
 Facsimile: +65 6749 3992
 Email: sales@pyser-sgi.com.sg
www.pyser-sgi.com



17/01/13 E & OE