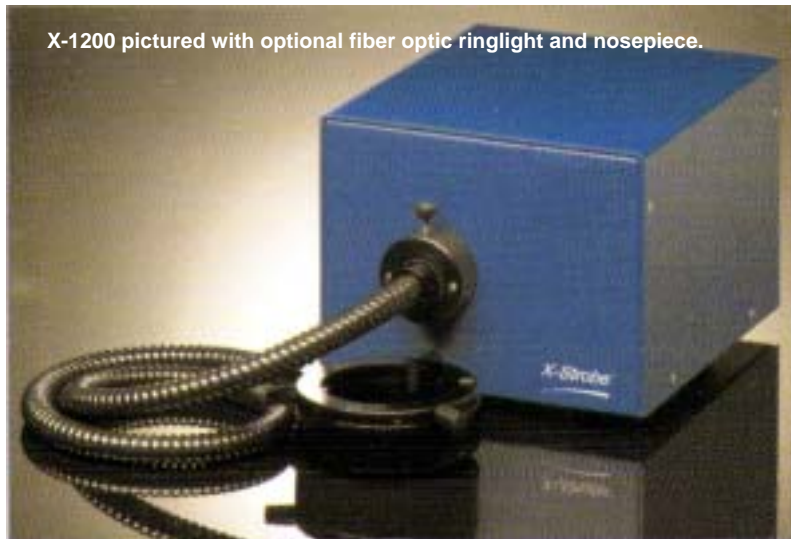




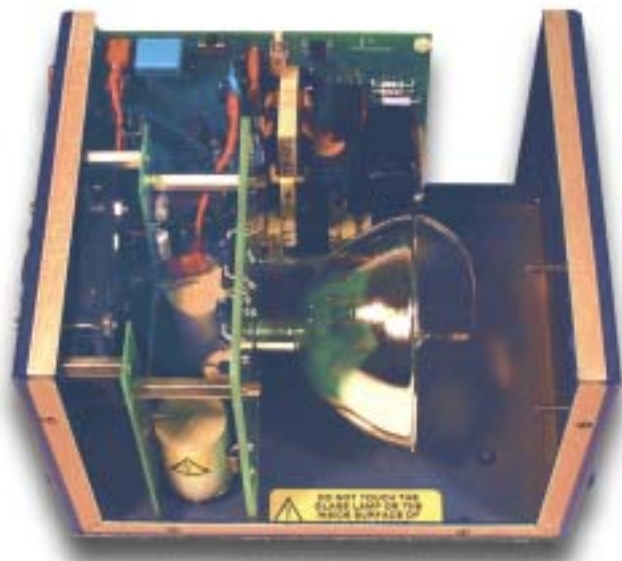
## X-Strobe Series High Intensity Xenon Strobes

The X-Strobe Series is a high output, long life, and compact size stroboscope for all machine vision fiber optic applications. X-Strobe incorporates the latest innovations in Xenon flash lamp technology, power supply engineering, triggered performance and reflector design. X-Strobe Series meets CE requirements. Features include a variable intensity control and more light output per watt than the MVS 2020, MVS 2027 and MVS 7000 Series, making the X-Strobe the most versatile strobe we offer.

X-1200 pictured with optional fiber optic ringlight and nosepiece.



The Xenon Flashlamp produces intense pulses of radiant energy covering the ultraviolet (UV), visible (VIS) and near infrared (NIR). When coupled to a CCD/CID camera system, the strobe "freezes motion" which eliminates blurs and enhances image quality. Several variations of the X-Strobe Series are available; each optimized for maximum light output at a specific flash rate. External signal inputs allow you to further customize the stroboscope to your unique application. The X-Strobe Series has a universal AC power supply that recognizes AC voltages from 100V to 240V with line frequencies from 50 - 60 Hz. The installation of the xenon flashlamp is quick and easy. Various nosepieces and adapters are available for sizes up to 1" in diameter.



### FEATURES

- HIGH INTENSITY BRIGHT WHITE LIGHT
- SMALL COMPACT SIZE
- IMPROVED LAMP LIFE AND STABILITY
- UNIVERSAL AC INPUT (100-240 VAC)
- CE DESIGNED
- EXTERNAL TRIGGER INPUTS
- VARIABLE INTENSITY CONTROL
- EASY LAMP REPLACEMENT

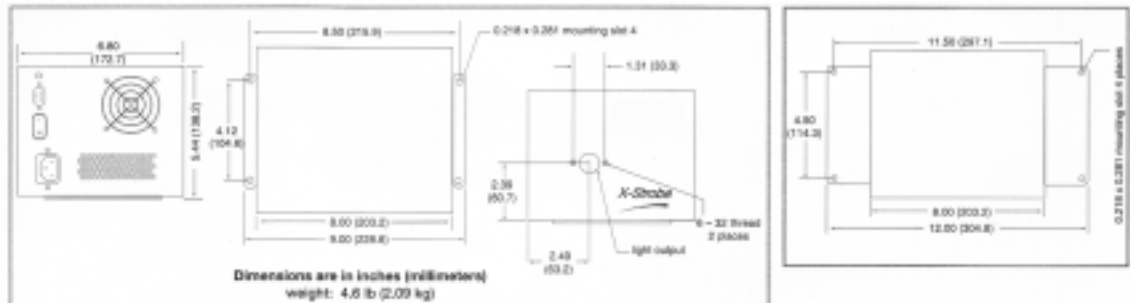


Model	X-1200	X-400
Item Number	6250-x1200	6250-x400
*Price	\$ 2,025.00	\$ 1,825.00
<b>Optical Specifications (1)</b>		
Maximum flash rate (2)	20 Hz (0-45 Hz)	60 Hz (0-135 Hz)
Input energy per flash (3)	1.0 - 2.2 J	0.3 - 0.7 J
Light output flash duration (4)	8 -10 µsec	2 - 10 µsec
Photometric light output (5)	31 lumen-sec	12 lumen-sec
(6)	19 lumen-sec	8.5 lumen-sec
(7)	8.5 lumen-sec	4.2 lumen-sec
Radiometric light output (5)	225 mJ	90 mJ
(6)	145 mJ	60 mJ
(7)	65 mJ	30 mJ
Spectral bandwidth	250 - 1100 + nm	
Flash Lamp Life (8)	> 10 <sup>8</sup>	> 2 x 10 <sup>8</sup>
Discharge Capacitance	12 µf	4 µf
<i>High intensity may cause damage to plastic fiber optic light guides. We recommend all glass fiber optic light guides.</i>		
<b>Electrical Specifications</b>		
Input voltage	100 - 240 Vac (± 10 %), 50 - 60 Hz	
Maximum output power	43 W	
Input current (rms)	1.5 A @ 115 Vac	
Flashlamp voltage (9)	400 - 600 Vdc	
Remote intensity control (10)	4 - 6 Vdc (Vref: Vlamp = 1 : 100)	
External trigger input (11)	+5 V TTL pulse, 20 mA, 10 - 100 µsec	
<b>Environmental Specifications</b>		
Operating temperature	32 to 104°F (0 to +40°C)	
Storage temperature	-40 to +194°F (-40 to + 90°C)	

**Notes:**

- 1.) All values are nominal; specifications subject to change without notice.
- 2.) Maximum flash rate at 600 Vdc; the numbers in parenthesis represent the range of flash rates at adjusted lamp (400 - 600 Vdc) Flashrate = 43/E where energy per flash, E = 1/2 Capacitance x Voltage<sup>2</sup> (E = ½ CV<sup>2</sup>).
- 3.) Energy at 400 - 600 Vdc.
- 4.) Approximate values measured at 1/3 peak of light pulse.
- 5.) Approximate light output at 600 Vdc into 0.9" (23 mm) diameter fiber optic light guide. Numerical aperture 0.5
- 6.) Approximate light output at factory setting into 0.5" (13 mm) fiber optic light guide.
- 7.) Approximate light output at factory setting into 0.27" (7 mm) fiber optic light guide.
- 8.) Maintaining >50% light output. Factory set at 600 Vdc; increasing lamp voltage will reduce lamp life.
- 9.) Increasing lamp voltage will reduce lamp life.
- 10.) Also available Vref:Vlamp = 1:60
- 11.) Delay between flash command and light output is 8 µsec typical.
- 12.) Optional fiber optic nosepieces: Fostec 1.0" ID (MVS-22), Fostec 0.72" ID (MVS-23), Fostec 0.59" ID (MVS-24).

**Figure 1 Mechanical Specifications** All data subject to change without notice. \*Prices subject to change without notice.



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