

Nova-Strobe Xenon Stroboscopes



Nova-Strobe x - The standard for high intensity multi-function portable stroboscopes. Models are available with digital displays, battery or AC power, and a useful range of features which provide unmatched performance and value. Four models range from the Nova-Strobe **DBX** Deluxe, the most versatile battery powered digital stroboscope with internal phase shifting, down to the Nova-Strobe **BAX** Basic, the most cost effective AC powered digital stroboscope.

Both the battery powered Nova-Strobe **DBX** and AC powered Nova-Strobe **DAX** provide a range of 30 to 20,000 flashes per minute and an accuracy of $\pm 0.002\%$ of setting. Flash rates are easily adjusted to fractional RPM by a coarse/fine control knob. Individual TTL compatible input and output jacks are provided for 'daisy chaining' of multiple strobes, triggering from an external source, or providing a trigger signal to external equipment.

Both **DBX** and **DAX** provide internal phase shifting to keep the target precisely in view. Both provide x2 and $\div 2$ capability for distinguishing actual RPM from harmonic frequencies. In addition, 9 user programmable memory flash rates for repetitive measurements and storage of the last flash rate measured are included.

Features (all models)

- Internal rechargeable batteries or AC powered models
- Lightweight (Less than 2.0 pounds) for easy handling
- Continuous cool operation
- Tripod mountable

Nova Strobe DAX and DBX also add:

- NIST Traceable Calibration Certificate
- Internal phase shifting for easy reference target viewing
- Tach mode, speed measurement up to 250,000 RPM
- Power for optional sensors
- Pulse repeater output



Specifications	DBX Deluxe Battery	DAX Deluxe AC	BBX Basic Battery	BAX Basic AC
Range Flashes/Minute:	30-20,000 FPM		30-10,000 FPM	
Display:	6 Digit Numeric and 5 Digit Alphanumeric LCD			
Accuracy/Resolution:	0.002% of setting or ± 1 least significant digit / 0.01 FPM			
Flash Energy/Duration:	230 mJoule up to 3450 FPM / 8-20 μ sec			
Average Power-Watts:	>13W above 3450 FPM			
Flash Tube & Life:	High Power Xenon, 100 million flashes typical			
External Triggers - in/out: (1/8" (3.5mm) phone jack)	TTL (24Vdc Max) Input. Provides 3.3Vdc TTL output		N/A	
Tachometer Mode:	5-250,000 RPM -Use with optional remote sensor		N/A	
Programmable Memory:	Yes	Yes	N/A	
Internal Phase Shift:	Yes	Yes	N/A	
Operating Time:	2 hours typical @ 1800 FPM	Continuous	2 hours typical @ 1800 FPM	Continuous
Power Supply:	Internal NiMH rechargeable batteries	115 Vac, 50-400Hz or 230 Vac, 50-400Hz	Internal NiMH rechargeable batteries	115 Vac, 50-400Hz or 230 Vac, 50-400Hz
Weight:	1.9 lbs. (0.86 kg)	1.5 lbs. (0.68 kg)	1.9 lbs. (0.86 kg)	1.5 lbs. (0.68 kg)
Size (L x W x H):	Body: 9" x 3.66" x 3.56" (229 x 93 x 90mm); Reflector Housing: 4.8" (122mm) diameter; Handle: 4.25" (108mm) long			

Ordering Information

Item	Description	Part No.
BAX 115	Basic 115Vac powered xenon Strobe	6206-010
BAX 115 Kit	Same as BAX 115 plus latching carry case and spare lamp	6206-011
BAX 230	Basic 230Vac powered xenon Strobe	6206-012
BAX 230 Kit	Same as BAX 230 plus latching carry case and spare lamp	6206-013
BBX 115/230	Basic xenon Strobe, battery powered, with 115/230 Vac recharger with interchangeable plugs	6207-012
BBX 115/230 Kit	Same as BBX 115/230 plus latching carry case and spare lamp	6207-013
DAX 115	Deluxe 115Vac powered Strobe with NIST certificate	6203-010
DAX 115 Kit	Same as DAX 115 plus latching carry case and spare lamp	6203-011
DAX 230	Deluxe 230Vac powered Strobe with NIST certificate	6203-012
DAX 230 Kit	Same as DAX 230 plus latching carry case and spare lamp	6203-013
DBX 115/230	Deluxe Strobe, battery powered, with 115/230Vac recharger with interchangeable plugs and NIST certificate	6204-012
DBX 115/230 Kit	Same as DBX 115/230 plus latching carry case and spare lamp	6204-013

Accessories: See page 4 for compatible Nova-Strobe accessories