



Nova-Strobe DB Plus

**Common Applications:**

- Non-contact RPM
- Diagnostic Inspection
- Bent blades/shafts
- Slipping/worn belts
- Printing Press
- Stop-action Inspection
- Textiles

**Nova-Strobe** - The standard for high intensity multi-function portable strobes. 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 DB Plus, the most versatile battery powered digital strobe with internal phase shifting, down to the Nova-Strobe BA, the most cost effective AC powered digital strobe.

Both the battery powered Nova-Strobe DB Plus and AC powered Nova-Strobe DA Plus provide a range of 30 to 14,000 flashes per minute and an accuracy of  $\pm 0.01\%$  of reading. 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 DB Plus and DA Plus provide internal phase shifting to keep the target precisely in view. Both provide  $\times 2$  and  $\div 2$  capability for distinguishing actual RPM from harmonic frequencies. In addition, 6 user presettable memory flash rates for repetitive measurements and storage of the last flash rate measured are included.

**Features** All Nova-Strobes, Digital and Basic:

- Internal rechargeable batteries or AC powered models
- Weighs less than 2.5 Lbs. for easy handling
- More than 20% brighter Xenon light than competitors
- Electronic switching provides continuous cool operation
- Tripod mounting bushing in handle

In addition, Nova-Strobe DB Plus and DA Plus models have:

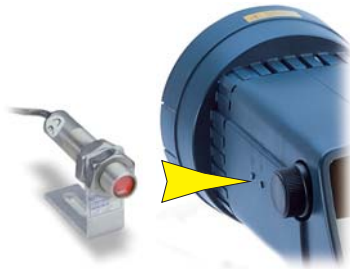
**N.I.S.T. Traceable Certificate of Calibration included**

- Internal phase shifting for easy reference target viewing
- Tachometer mode, speed measurement up to 200,000 RPM
- Power for optional sensors
- Battery charge indicator (DB Plus only)

Nova-Strobe DB Plus



Select optional sensors for tachometer mode

TTL compatible input/output  
1/8" (3.5mm) phone plug

Nova-Strobe BB/BA digital LCD Display



Nova-Strobe DB Plus Kit 115

**Ordering Information**

Nova-Strobe BA 115 Stroboscope, AC powered  
 Nova-Strobe BA 230 Stroboscope, AC powered  
 Nova-Strobe DA + 115 Stroboscope, AC powered  
 Nova-Strobe DA+ 230 Stroboscope, AC powered  
 Nova-Strobe BB 115 Stroboscope, battery powered, R-5 (115 VAC) recharger  
 Nova-Strobe BB 230 Stroboscope, battery powered, R-6 (230 VAC) recharger  
 Nova-Strobe DB+ 115 Stroboscope, battery powered, R-5 (115 VAC) recharger  
 Nova-Strobe DB+ 230 Stroboscope, battery powered, R-6 (230 VAC) recharger

Any of the above are also available as a Kit, including: stroboscope, recharger, spare lamp in latching carrying case.

Specifications	Nova-Strobe DB Plus Digital, Battery Powered	Nova-Strobe DA Plus Digital, AC Powered	Nova-Strobe BB Basic, Battery Powered	Nova-Strobe BA Basic, AC Powered
<b>Range Flashes/Minute</b>	30-14,000 FPM (Flashes Per Minute)		100-8,000 FPM (Flashes Per Minute)	
<b>Display</b>	6-Digit Backlit Digital LCD		4-Digit Digital LCD	
<b>Accuracy/Resolution</b>	whichever is greater $\pm 0.5$ FPM or $\pm 0.01\%$ of reading / 0.1 FPM		$\pm 1$ FPM / 1FPM	
<b>Flash Energy/Duration</b>	220 mJoule (20-50 $\mu$ sec)	180 mJoule (20-50 $\mu$ sec)	140 mJoule (25-50 $\mu$ sec)	
<b>Average Power-Watts</b>	10W	15W	8W	
<b>Flash Tube Life (typical)</b>	100 million flashes		50 million flashes	
<b>External Trigger</b>	TTL (24V Max) Provides 5V out, 1/8" (3.5 mm) phone jack		N/A	
<b>Tachometer Mode</b>	5-200,000 RPM		N/A	
<b>Programmable Memory</b>	Yes		N/A	
<b>Internal Phase Shift</b>	Yes		N/A	
<b>Operating Time (fully charged batteries)</b>	60 minutes at 6000 FPM	N/A	60 minutes at 6000 FPM	N/A
<b>Power</b>	6 Vdc internal rechargeable batteries	115 Vac, 50-400 Hz or 220-240 Vac, 50-400 Hz	6 Vdc internal rechargeable batteries	115 Vac, 50-400 Hz or 220-240 Vac, 50-400 Hz
<b>Weight</b>	2.5 Lbs. (1.2 kg)	1.5 Lbs. (0.72 kg)	2.5 Lbs. (1.2 kg)	1.5 Lbs. (0.72 kg)
<b>Size (L x W x H)</b>	Body: 9" x 3.66" x 3.56" (229 x 93 x 90 mm); Reflector Housing: 4.8" (122 mm) diameter; Handle: 4.25" (108 mm) long			