

## NOVA-STROBE X DIGITAL SERIES PORTABLE STROBOSCOPES

The Nova-Strobe series represents the latest in portable stroboscope technology. Both the **dax** and **dbx** offer powerful features for both diagnostic inspection and speed measurements. Lightweight and bright with flash rates to 20,000 flashes per minute, these strobes are comfortable to hold and easy to operate.



The **dbx** battery operated stroboscope weighs only 1.9 lbs. (0.86 kg) and will run continuously for 2 hours on a single charge. A fast charger is included and the percentage charge remaining may be displayed. The unit is CE certified.

The **dax** AC powered stroboscope (115 or 230 Vac) is designed for continuous cool operation, and weighs only 1.5 lbs. (0.68 kg).

### FEATURES

- Flash rates from 30 to 20,000 flashes per minute, adjustable in 0.1 step increments, the coarse/fine adjustment knob makes it quick and easy to set the exact flash rate you want. The all digital controlled microprocessor keeps readings rock steady
- dbx Kit, shown right, includes carry case and spare lamp
- Internal phase shifting allows the target to be jogged clockwise or counter clockwise in 5° increments
- Times 2 and divide by 2 push buttons allow easy checking for actual RPM, harmonics and allow stop motion far beyond the 20,000 fpm limit
- Store and recall up to 6 user selectable values. Last measurement memory, even with the power off
- Flash rate may be displayed in Flashes per Minute (FPM) or Flashes per Second (Hz)
- Individual input and output TTL jacks (1/8 inch phone) provides power to remote sensors and allows "daisy-chaining" of multiple strobes. A Tachometer mode allows accurate speed measurement up to 250,000 RPM using external sensors.
- **NIST Certificate of Calibration** included





## SPECIFICATIONS

| Specifications                           | Nova-Strobe dbx Digital, Battery  | Nova-Strobe dax Digital, AC Power            |
|--|---|--|
| Range Flashes/Minute                     | 30-20,000 FPM / RPM   | 30-20,000 FPM / RPM                          |
| Display                                  | Digital LCD   | Digital LCD                                  |
| Accuracy/Resolution                      | ±0.002% of setting or +/- 1 lsd / 0.01 FPM  |  |
| Flash Energy/Duration                    | 230 mJoule (20-50 µsec)   |  |
| Average Power-Watts                      | 10W   | 15W  |
| Flash Tube Life (typical)                | 100 million flashes   | 100 million flashes                          |
| External Trigger(1/8" Phone Jack)        | TTL (24V Max) Provides 5V out   |  |
| Tachometer Mode                          | 5-200,000 RPM   | 5-200,000 RPM                                |
| Programmable Memory                      | Yes   | Yes  |
| Internal Phase Shift                     | Yes   | Yes  |
| Operating Time (fully charged batteries) | 60 minutes at 6000 FPM  | N/A  |
| Power                                    | 6 Vdc internal rechargeable batteries   | 115 Vac, 50-400 Hz or 220-240 Vac, 50-400 Hz |
| Weight                                   | 2.5 Lbs. (1.2 kg)   | 1.5 Lbs. (0.72 kg)                           |
| Size (L x W x H)                         | 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 |  |
| N.I.S.T. Certificate                     | Included  | Included                                     |

