

Stroboscopes

Nova-Strobe Digital

TRANSCAT®

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35 Vantage Point Drive // Rochester, NY 14624 // Call 1.800.800.5001



The Nova-Strobe series represents the latest in portable stroboscope technology. Both the **DA Plus** and **DB Plus** offer powerful features for both diagnostic inspection and speed measurements. Lightweight and bright with flash rates to 14,000 flashes per minute, these rugged strobes are comfortable to hold and easy to operate. Ce

The **DB Plus** battery operated stroboscope weighs only 2.5 lbs. (1.2kgs) and will run continuously for 1 hour* on a single charge. A fast charger is included and the percentage charge remaining may be displayed. The unit is CE certified.

Ce

The **DA Plus** AC powered stroboscope (115 or 230 Vac) is designed for continuous cool operation, and weighs only 1.5

lbs. (0.72 kg). Ce



FEATURES

- Flash rates from 30 to 14,000 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.
- DB Plus 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 14,000 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 (RPM) or Flashes per Second (Hz)
- Individual input and output TTL jacks (1/8 inch phone) provides power to remotes sensors and allows "daisy-chaining" of multiple strobes. A Tachometer mode allows accurate speed measurement up to 200,000 RPM using external sensors.
- **NIST Certificate of Calibration** included.



SPECIFICATIONS

Specifications	<i>Nova-Strobe DB Plus Digital, Battery</i>	<i>Nova-Strobe DA Plus Digital, AC Power</i>
Range Flashes/Minute	30-14,000 FPM / RPM	30-14,000 FPM / RPM
Display	Digital LCD	Digital LCD
Accuracy/Resolution	±0.01% of reading / 0.1 FPM	
Flash Energy/Duration	220 mJoule (20-50 µsec)	180 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



ACCESSORIES

Pricing shown in US Dollar

ITEM NO.	PRICE	MODEL	CE	DESCRIPTION
6180-050	\$135.00	ROS-5P*	X	Remote Optical Sensor with 8 foot cable and mounting bracket
6180-015	225.00	IRS-5P*		Infrared Sensor with 8 foot cable
6180-017	175.00	MT-190P*		Magnetic Trigger Sensor/Amplifier with 8 foot cable
6280-034	12.00	C-4027		Set (2) mating 1/8" stereo phone plugs
6280-037	35.00	CA-4044-6		6 foot input/output cable, 1/8" mono phone plug to BNC connector
6280-038	15.00	CA-4045-6		6 foot input/output cable, 1/8" mono phone plug to 1/8" mono phone plug
6280-030	65.00	L-1903		Digital Stroboscope Spare Lamp
6280-041	25.00	SPC-1		Splashproof Protective Cover for battery model Stroboscopes
6280-011	45.00	R115	X	Recharger, 115 Vac - 50/60 Hz for <u>DB Plus ONLY</u>
6280-014	55.00	R230	X	Recharger, 230 Vac - 50/60 Hz for <u>DB Plus ONLY</u>
6280-040	75.00	CC-7		Plastic Latching Carrying Case
6180-070	10.00	T-5		Reflective Tape - 5 foot roll, 0.5 inch wide
5290-104	85.00	CAL-N.I.S.T.		N.I.S.T. Traceable Certificate of Calibration / Re-Calibration



ORDERING INFORMATION

Pricing shown in US Dollars

ITEM NO.	PRICE	MODEL	CE	DESCRIPTION
6200-060	425.00	Nova-Strobe DA Plus 115		Digital Stroboscope, mains powered - 30-14,000 FPM, with 115 Vac power
6200-061	565.00	Nova-Strobe DA Plus Kit 115		Nova-Strobe DA Plus 115 with spare lamp in latching carrying case
6200-062	475.00	Nova-Strobe DA Plus 230		Same as Nova-Strobe DA Plus 115, but with 230 Vac power
6200-063	615.00	Nova-Strobe DA Plus Kit 230		Same as Nova-Strobe DA Plus Kit 115, but with 230 Vac power
6200-050	495.00	Nova-Strobe DB Plus 115	X	Digital Stroboscope, battery powered - 30-14,000 FPM, with R115 (115 Vac) recharger
6200-051	635.00	Nova-Strobe DB Plus Kit 115	X	Nova-Strobe DB Plus 115 with R115 (115 Vac) recharger and spare lamp in latching carrying case
6200-052	505.00	Nova-Strobe DB Plus 230	X	Same as Nova-Strobe DB Plus 115, but with R230 (230 Vac) recharger
6200-053	645.00	Nova-Strobe DB Plus Kit 230	X	Same as Nova-Strobe DB Plus Kit 115, but with R230 (230 Vac) recharger

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