Nova-Pro® Ultraviolet LED

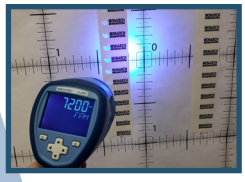
Stroboscope/Tachometer

Features:

- Stroboscope and tachometer in one tool
- Super bright ultraviolet LEDs
- Integral/removable laser module (patented technology)
- Water and dust resistant IP54 enclosure
- 1/4" x 20 tripod mount
- Ergonomic one-handed operation
- Removable rechargeable Li-ion battery
- Continuous AC operation available
- TTL compatible input/output
- NIST certificate included

Typical Uses:

- Visual "stop motion" inspection of UV inks, security marks or UV coatings
- Quickly determine speed of rotating equipment using strobe or built-in laser tachometer
- Troubleshoot high-speed automation processes by placing them in virtual slow motion



The Nova-Pro UV 365 and UV 385 are extremely powerful, portable ultraviolet LED visual inspection instruments built on the Nova-Pro stroboscope platform. Theses strobes are available with 365nm or 385nm wavelength LEDs and are optimized for inspection of UV inks on labels, security tags, anti-counterfeiting marks, UV coatings and more.

This two-in-one predictive maintenance tool's light source consists of twelve ultraviolet LEDs which are extraordinarily bright yet extremely efficient allowing cool continuous operation and extremely long battery life (up to 9.5 hours on a single charge). Continuous 24/7 operation is possible with the optional AC adapter. The onboard laser sensor can be used as a full-featured tachometer for making quick RPM checks in the field or use it as a trigger for the stroboscope (patented technology).

The Nova-Pro UV has a high-contrast inverse blue LCD with backlight and a touch sensitive number pad (for setting flash rates quickly), memory for up to 10 preset flash rates, input and output jacks for external sensors or pulse repeater output, phase delay, time delay, and virtual slow motion.

MADE IN THE USA with US and Imported Components

www.monarchinstrument.com

Nova-Pro® Ultraviolet LED Stroboscope/Tachometer

Specifications*	UV 365nm	UV 385nm
FLash Range	30 to 999,999	
Display	6-digit numeric and 5-digit alphanumeric LCD with touch keypad; high-contrast blue background/white characters with backlight	
Accuracy Resolution	0.001% of setting or ±1 lsd/6 digits to 0.001	
Light Source	UV 365nm 12 LED array	UV 385nm 12 LED array
Flash Duration	Adjustable to 10°/1000 µsecs max	
External Triggers (in/out)	TTL (12 V dc max) input; provides 3.3 V dc TTL output	
Tachometer Mode	0-999,999 RPM with integral laser or external input	
Programmable Memory	10 setpoints	
Internal Phase Shift	Yes	
Phase Delay	-360.0 to 345.00°	
Time Delay	-50.000 to 50.000 msec	
Virtual RPM (slow motion)	-60.0 to 60.00 VRPM	
Operating Time	Standard battery pack: 9.5 hours typical (6000 FPM, 2° duty cycle)	
Power Supply (battery)	Removable/rechargeable standard Li-ion battery packs (qty. 2) with 100-240 50/60 Hz recharging station	
Power Supply (AC)	100-240 V ac 50/60 Hz AC adapter with 6 ft. [2 m] cable and interchangeable outlet adapters (optional)	
Weight	1.4 lbs. (635 g)	
Size (HxWxD)	9.5 in. x 3.75 in. x 5.5 in. [241 mm x 95 mm x 140 mm]	
Housing Materials/Rating	ABS/IP54	

***Specifications are subject to change without notice.**

Ordering Information

Nova-Pro UV 365 Includes strobe with 12 ultraviolet 365nm LEDs, battery pack, recharging station with interchangeable wall plugs and NIST Certificate	**6248-010**
Nova-Pro UV 365 Kit Same as above, plus 1 additional battery pack; ships with deluxe watertight carry case	**6248-011**
Nova-Pro UV 385 Includes strobe with 12 ultraviolet 385nm LEDs, battery pack, recharging station with interchangeable wall plugs and NIST Certificate	**6249-010**
Nova-Pro UV 385 Kit Same as above, plus 1 additional battery pack; ships with deluxe watertight carry case	**6249-011**

Accessories:

Li-ion battery pack	6281-010
Battery charging station 100-240 V ac, 50/60 Hz	6281-012
AC power adapter 100-240 V ac 50/60 Hz	6281-015
Laser module	6281-020
Remote laser dock and blanking panel	6281-021
Deluxe watertight carry case	6281-031
T-5 Reflective Tape	6180-070
Miniature tripod with 1/4" x 20 stud	6180-040

To order, see product webpage for details.

MONARCH INSTRUMENT

Nova-Pro UV 0926

15 Columbia Drive, Amherst NH 03031
800-999-3390 // 603-883-3390 // Fax 603-886-3300
sales@monarchinstrument.com

www.monarchinstrument.com