

Nova-Pro™ Ultraviolet LED Stroboscope/Tachometer



Description

The **Nova-Pro™ UV 385** is an extremely powerful portable ultraviolet LED visual inspection instrument built on the all new **Nova-Pro™** stroboscope platform. These strobes operate with 385nm wavelength LED's (365nm wavelength also available) and are optimized for inspection of UV inks on labels, security tags, anti-counterfeiting marks, UV coatings and more. It can also be used in continuously on mode as a UV inspection lamp.

We have included all of the features of our extremely popular **Nova-Pro™ 500** white LED stroboscopes including a full function laser tachometer to create a compact, ergonomic and extremely powerful two in one predictive maintenance tool. The stroboscope light source is made up of twelve ultraviolet LED's which are extraordinarily bright yet extremely efficient allowing cool continuous operation and extremely long battery life (up to 19 hours on a single charge). Continuous 24/7 operation is also possible with the optional AC adapter. The on board 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.

The **Nova-Pro™ UV** has a high contrast inverse blue LCD display 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. A NIST calibration certificate is also included. They are available stand-alone or in kit form.



"Nova-Pro™ is compact, ergonomic and extremely powerful"

Features

- Stroboscope and tachometer in one tool
- Super bright UV LED's
- Integral/removable laser module
- 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 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
- Non Destructive Testing for ultraviolet penetrants in Automotive, Aerospace and Oil and Gas industries



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Specifications and Ordering Information

Specifications	Nova-Pro UV 385 nm
Flash Range (FPM/RPM):	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 385 nm 12 LED Array
Light output:	1700 μ w/cm ² @ 12", 1% duty cycle
Flash Duration:	Adjustable to 10 degrees/2.000 msec max
External Triggers in/out:	TTL (12Vdc Max) Input. Provides 3.3 Vdc TTL output
Tachometer Mode:	0-999,999 RPM with integral laser or external input
Programmable Memory:	Yes (10 set points)
Internal Phase Shift:	Yes
Phase Delay - degrees:	-360.0 to 345.0 degrees
Time Delay - milliseconds:	-50.000 to 50.000 msec
Virtual RPM (Slow Motion):	-60.0 to 60.0 VRPM
Operating Time:	Standard battery pack: 9.5 hours typical (6000 FPM, 2° duty cycle)
	Hi-capacity battery pack (optional): 19 hours typical (6000 FPM, 2° duty cycle)
Power Supply (Battery):	Removable/rechargeable Standard Li-Ion battery packs (Qty. 2) with 115/230 50/60Hz recharging station
Power Supply (A/C):	115/230 Vac 50/60Hz AC adapter with 6 foot (2M) cable and interchangeable outlet adapters (Optional)
Weight:	1.4 Lbs. (635 grams)
Size (H x W x D):	9.5 x 3.75 x 5.5 in. (241 x 95 x 140mm)
Housing material/rating:	ABS/IP54

Ordering Information

	<u>P/N</u>
Nova-Pro 385	6249-010
Nova-Pro 500 Strobe with 12 Ultra Violet 385nm LEDS standard battery, recharging station with interchangeable wall plugs and manual	
Nova-Pro 385 Kit	6249-011
Same as above with plastic latching carry case	
<u>Accessories</u>	<u>P/N</u>
Standard Li-ion battery pack	6281-010
Hi-capacity Li-Ion battery pack	6281-011
Battery charging station 115/230 Vac, 50/60 Hz	6281-012
Laser module	6281-020
Remote laser dock and blanking panel	6281-021
AC power adapter 115/230, 50/60Hz	6281-015
Deluxe water tight carry case	6281-031
T-5 reflective tape	6180-070
Miniature tri-pod with 1/4" x 20 stud	6180-040