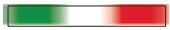


# BINT L1000 NEW LED STROBE

## ADJUSTABLE HIGH BRIGHTNESS



MADE IN ITALY



- NEW STROBE WITH HIGH BRIGHTNESS LED TECHNOLOGY
- ADJUSTABLE LIGHT INTENSITY AND SHARPNESS OF THE IMAGE
- HIGH EFFICIENCY SOLID STATE LED LIGHT SOURCE WITH UNIFORM FLASHING
- RANGE 30.000 FLASHES/MIN WITH DIGITAL READOUT ON LCD DISPLAY
- FLASH SYNCHRONIZATION FROM INTERNAL OSCILLATOR AND EXT TRIGGER
- POWER SUPPLY WITH RECHARGEABLE LITHIUM-ION BATTERY WITH EXTENDED OPERATION TIME, OR BY BATTERY CHARGER SUPPLIED CONNECTED TO THE 220VAC MAINS
- PHASE SHIFTER FOR EARLY OR DELAYED OFFSET OF THE STILL IMAGE
- STURDY CONSTRUCTION WITH SOLID STATE LEDS WITHOUT GLASS OR GAS THAT ELIMINATES THE NEED TO REPLACE THE LAMP
- SUITABLE FOR FIXED MOUNTING NEAR THE OBJECT TO BE ILLUMINATED
- HANDLE AND RELIABLE, SIMPLE TO USE, DESIGNED AND BUILT IN ITALY
- FULLY COMPLIES WITH CE DIRECTIVES

### DESIGN AND OPERATION

New L1000 Stroboscope is a professional device with an innovative LED technology that offers excellent performance with high reliability and requires low maintenance, ideal for use in test and processing environments and suitable for fixed mounting near the object to be illuminated. LED light source is highly efficient with uniform flashing, sturdy solid state LED construction without glass or gas eliminates the need to replace the lamp. Range up to 30.000 FPM with adjustment of the flashing frequency by means of two comfortable and ergonomic potentiometers for quick and precise coarse and fine adjustment. Flash synchronization from internal oscillator and external trigger, with tachimetric function that automatically shows the applied frequency. The number of flashes (RPM) is displayed on a large LCD display for a precise and immediate reading. Light intensity and image sharpness are adjustable through the Brightness potentiometer, which allows to set the desired brightness to always obtain perfect vision at any flashing frequency and in any working condition. Powered by rechargeable lithium-ion battery for a prolonged operating time, while it is always possible to use the device powered at 220Vac through the supplied battery charger. Phase shifter circuit for the early or delayed phase shift of the still image, for the observation over a 360° into the most favourable position. Rugged, handle, reliable and simple to use, instrument is encased in a rugged, high-impact plastic housing with handle for the best portability. L1000 strobe is also used for fixed mounting, a version with 220vac power supply is available on request.

### APPLICATIONS

L1000 stroboscope is used to visually analyze any periodic or rotational motion and to measure its speed. Among its applications, in the various sectors of industrial production and maintenance and research: measurement of rotation speed, frequency or period - observations on printing and textile machines - vibration control - quality control - research laboratories - etc.

### BINT L1000 STROBOSCOPE - TECHNICAL CHARACTERISTICS

<b>FREQUENCY RANGE</b>	150 - 30.000 flashes/min FPM
<b>INTERNAL OSCILLATOR</b>	coarse and fine adjustment of the flashing frequency by means of two ergonomic potentiometers, with digital readout in FPM (Flash per Minute) on large LCD display
<b>EXT TRIGGER</b>	electric signal >1Vpp - encoder - inductive sensor - microswitch external signal up to 128.000 impulse/min are accepted, with tachimetric function
<b>DISPLAY</b>	by means of dot matrix LCD display highly readable
<b>RESOLUTION</b>	quartz control system for maximum precision 0,02% +/- 1 digit
<b>PHASE SHIFT</b>	variable from 0,1 to 60 ms. about
<b>LAMP</b>	high efficiency solid state LED with uniform flashing
<b>BRIGHTNESS</b>	3000 lux @7000 FPM/30 cm
<b>POWER SUPPLY</b>	with rechargeable lithium-ion battery + 220Vac using the supplied charger/adapter Battery life over 8 hours (depending on flash frequency and brightness)
<b>DIMENSION</b>	160 x 140 x 230 mm - <b>WEIGHT</b> 1,100 kg - <b>SUPPLIED ACCESSORIES</b> charger, instruction manual
<b>OPTIONAL ACCESSORIES</b>	carrying case, ISO9000 calibration certificate with Accredia traceability
<b>220VAC POWER SUPPLY</b>	on request special model with 220Vac power supply - Weight 1,400 kg - Brightness 4000 lux@7000 FPM