



Portable LED-Stroboscope

HELIO-STROB tripLED V2

... new technology – new opportunities

- high performance LEDs with lens and reflector system
- high and constant brightness up to 5500 lux (@ 50 cm)
- flash frequency up to 840 Hz / 50400 min⁻¹
- replaceable lithium-ion battery with long operating time
- alternative power supply via power supply unit (optional)
- internal and external control of the flash rate
(ext. triggering up to 8000 Hz with integrated frequency scaler)
- clock pulse output (TTL) for synchronisation of further devices
- easy to operate via touch panel
- slow-motion function
- electronic shifting of the focus (phase shifting)
- adjustable flash duration for pin sharp images
- frequency divider and multiplier
- serial interface (USB)



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HELIO-STROB tripLED V2

HELIO-STROB tripLED V2 – the powerful and bright LED stroboscope for portable use in industry and research. Thanks to the latest LED and reflector technology, the light output is now comparable to that of conventional stroboscopes. Extremely short flash impulses with constant brightness enable “freeze images” as well as a slow-motion observation of fast processes. Thanks to the intuitive handling via touch display and twist knob operation you easily get accurate and reliable results. The HELIO-STROB tripLED V2 can be effectively used in the field of quality control, vibration analysis and speed measurement as well as for the setting up of machines. In addition to offering internal and external control of the flash rate, the HELIO-STROB tripLED V2 presents a convincing range of interesting extra functions.



Operation via intuitive touch display and twist-knob.



Remote control and firmware updates possible via USB interface.



Incl. transport box for device and accessories.

Functions

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Technical Data

Power supply	replaceable lithium-ion battery 14.4 VDC / 4 Ah (optional via power supply unit 100–240 VAC)
Battery life (performance-related)	approx. 12 h. (at 50 Hz / 50 μ s flash duration)
Power consumption	max. 10 W
Dimensions (without handle)	182.5 x 117 x 117 mm
Weight	approx. 1.32 kg (without battery) / 1.86 kg (with battery)
Light source	15 CREE high-performance LEDs
Frequency range in Hz/min ⁻¹	1 – 840 Hz/60 – 50400 min ⁻¹
Internal control of the flash rate	twist knob and touch display
External control of the flash rate	external transducer, pos. impulses, 5 – 30 V, input frequency 8000 Hz max. with integrated frequency scaler, variable transformation ratio 1:10 – 10:1
Trigger output	5 V TTL
Measured value display	LC display, 51 x 31 mm, display in Hz / min ⁻¹
Resolution of the display	up to 0.01 Hz/0.1 min ⁻¹
Adjustable flash duration	1 – 100 μ s / 0.5 – 3.6°
Phase shifting	0° – 540°/0 – 999.99 ms
Slow motion function	beat frequency -5.00 Hz up to +5.00 Hz
Serial interface	USB (type B)
Light intensity	max. 5500 lux (at a distance of 50 cm)
Operating temperature	0° ... +40° C
Storage temperature	-20° ... +50° C
Air humidity	max. 80 % relative air humidity at 30° C
Certification	CE
Scope of supply Part-no. 0300907010	HELIO-STROB tripLED V2, lithium-ion battery 14.4 VDC / 4 Ah, charger 230 VAC, transport box, 5-pin male jack for ext. triggering, operation manual (English, German or French)
Accessories (optional) Part-no. 0310210013	Power supply unit + handle cover for alternative power supply (cannot be used as a battery charger) Power supply range: 100 – 240 VAC Various primary plugs available on request (EU / UK / US) Incl. handle cover as a replacement for the rechargeable battery

Revisions in the course of technical progress reserved.
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