



## HELIO-STROB tripLED

... brand new technology – brand new opportunities



- high and constant brightness  
up to 5500 Lux (@ 50 cm)
- pin sharp images
- flash frequency up to 840 Hz / 50400 min<sup>-1</sup>
- intuitive operation via touch panel
- internal and external control of the flash rate
- broad functionality – related to practice
- mains and battery operation
- battery life up to 12 hours
- serial interface (USB)
- maintenance-free

# HELIO-STROB tripLED

## Applications

HELIO-STROB tripLED – the powerful and bright LED stroboscope for portable use in industry and quality assurance. 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 panel and an “intelligent” twist knob operation you easily get accurate and reliable results. The HELIO-STROB tripLED can be effectively used in the field of quality control, vibration analysis and speed measurement as well as for the setting up of machines. Besides the choice between internal and external control of the flash rate, the HELIO-STROB tripLED presents a convincing range of interesting extra functions. Proximity switches and optical sensors can be directly connected to the signal input of the stroboscope.



Firmware-updates  
via USB interface  
on the rear side



„Intelligent“  
twist-knob operation



Incl. transport box



## Technical Data

Power supply	integrated battery, combined mains unit / battery charger 100 – 240 VAC, 50 – 60 Hz
Power consumption	max. 24 W
Dimensions	182.5 x 117 x 117 (mm)
Weight	approx. 1.2 kg
Light source	15 ultra-bright CREE LEDs
Frequency range in Hz/min <sup>-1</sup>	1 – 840 Hz/60 – 50400 min <sup>-1</sup>
Internal control of the flash rate	twist knob and touch panel
External control of the flash rate	external transducer, pos. impulses, 5 – 30 V, input frequency 8000 Hz* max., 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 <sup>-1</sup>
Resolution of the display	up to 0.01 Hz/0.1 min <sup>-1</sup>
Adjustable flash duration	1 – 100 μs / 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	HELIO-STROB tripLED, mains unit / charger 100 – 240 VAC, transport box, 5-pin male jack for ext. triggering
Art.-No.	0300907003

Revisions in the course of technical progress reserved.

\*with integrated frequency scaler

ELMED Dr. Ing. Mense GmbH · Weilenburgstr. 39 · D-42579 Heiligenhaus  
Tel.: +49(0)2056/9329-0 · Fax: +49(0)2056/9329-33  
info@elmedgmbh.de · www.elmedgmbh.de



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