



## HELIO-STROB compact 125

... power at command

- high and constant brightness
- pin sharp images
- easy to operate via touch panel
- internal and external triggering
- TTL-output
- slow-motion function
- electronic shifting of the focus (phase shifting)
- serial interface (USB)



# HELIO-STROB compact 125

## Applications

HELIO-STROB compact 125, the mobile power pack for industrial use. Extremely short flash impulses with constant brightness enable vision of "freeze images" as well as a slowed-down observation mode of fast processes, when a precise perception by the human eye is no longer possible. Even the smallest parts are displayed pin sharp, without any motion blur. Thanks to the intuitive handling via touch panel and an "intelligent" one-button operation you easily get accurate and reliable results. The HELIO-STROB compact 125 can be effectively used in the field of quality control, vibration analysis and speed measurement as well as for the setting up of your machines. The requested observation point in the course of a movement (the so-called phase-shift) can easily be set with one single "twist". The flash frequency can either be controlled by the accurate internal trigger or by an external trigger. Proximity switches and optical sensors can be connected directly to the signal input of the stroboscope. Additional devices can be synchronously triggered by the TTL-output.



Firmware-updates  
via USB interface  
on the rear side



„Intelligent“  
twist-knob operation



Incl. transport box



## Technical Data

Power supply	100 – 240 VAC, 50 – 60 Hz (external wide-range power supply) or 20 – 28 VDC
Power consumption	max. 25 W
Dimensions	182.5 x 117 x 117 (mm)
Weight	approx. 1.6 kg
Light source	flash tube, plug-in installation
Frequency range in Hz / min <sup>-1</sup>	1 – 125 Hz / 60 – 7500 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
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>
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 output	max. 0.17 Ws
Light intensity	max. 2300 Lux (at a distance of 50 cm)
Operating temperature	0° ... +40° C
Storage temperature	-20° ... +60° C
Air humidity	max. 80 % relative air humidity at 30° C
Certification	CE
Scope of supply	HELIO-STROB compact 125, external wide-range power supply, transport box, flash tube and 6-pin male jack for external triggering
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Revisions in the course of technical progress reserved.

\*with integrated frequency scaler

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