

HIGH-PERFORMANCE STROBOSCOPES FOR INDUSTRY AND RESEARCH



## HELIO-STROB BETA

... when performance counts

- high and constant brightness
- pin sharp images
- dimmer function
- automatic brightness optimisation
- internal and external triggering
- electronic shifting of the focus (phase shifting)
- TTL-output
- slow-motion effect (optional)



**ELMED**  
MESSTECHNIK

# HELIO-STROB BETA

## Applications

For the observation of rapid movements, either by eye or with a camera: The HELIO-STROB BETA provides various facilities. Whether with constant brightness in the entire frequency range, with the new dimmer function or with automatic optimisation of the brightness for the selected frequency; whether with slow-motion (optional) or variable shifting of the focus (phase shifting): The range of features opens new applications in the field of visualisation of movements and vibrations. Every requirement is fulfilled. Apart from the accurate internal controller, external or mains triggering are available. Arbitrary changes between fine adjustment by 1/100 Hz and a frequency change in large steps, microprocessor technology provides all opportunities. A robust, easy to maintain metal twin-shell case with support and a separate hand-held lamp implement the highest degree of flexibility.



## Technical Data

Power supply	115 / 230 VAC, 50 – 60 Hz
Power consumption	max. 80 W
Case	twin-shell metal case with handle / support 280 x 240 x 80 (mm)
Hand lamp	182.5 x 117 x 117 (mm)
Weight	approx. 2.3 kg (control unit) approx. 1.5 kg (hand-held lamp)
Light source	flash tube, plug-in installation
Frequency range in Hz/min <sup>-1</sup>	1 – 400 Hz/60 – 24000 min <sup>-1</sup>
Internal control of the flash rate	twist knob
External control of the flash rate	external transducer, pos. impulses, 5 to 30 V
Measured value display	5-digit 7-segment display, display in Hz/min <sup>-1</sup>
Resolution of the display	up to 0.01 Hz/1 min <sup>-1</sup>
Phase shifting	0° – 540°/0 – 650,00 ms
Slow-motion function	optional, beat frequency from 0.00 Hz to +5.00 Hz
TTL-output	yes
Light output	max. 0.4 Ws
Light intensity	max. 2700 Lux (at a distance of 50 cm)
Total power	50 W
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 BETA, hand-held lamp incl. flash tube
Art.-No.	0300310010

Revisions in the course of technical progress reserved.

