



HELIO-STROB UV³⁶⁵

High-performance UV stroboscope with separate control unit

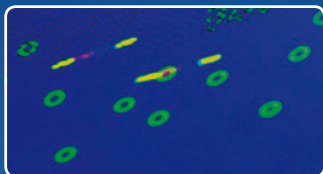
... extend the spectrum

- excellent brightness – 365 nm
- numerous functions
- internal and external triggering
- TTL output
- slow-motion effect (optional)
- rugged industrial grade



HELIO-STROB UV³⁶⁵

Application



Example: UV security marking



The control unit can also be operated with a high-performance hand lamp – 2700 Lux (optionally available)

The UV LED stroboscope HELIO-STROB UV³⁶⁵ offers various possibilities for the control of printings with UV fluorescent colours. The operator can take advantage of extremely short and efficient UV light pulses with a wave length of 365 nm. Contrasty images up to 400 events / second without any motion blur are possible. Consistent, continuous brightness across the complete frequency range, slow motion observation or change of the observation point (phase shift): The functionality spectrum opens up a wide range of new applications, especially for the control of security features. A lighting unit equipped with a flash tube for visible light is optionally available. The HELIO-STROB UV³⁶⁵ thus becomes a true "all-rounder" for the control of printing webs.

Technical Data

Power supply	100 – 240 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. 1.4 kg (UV LED hand lamp)
Light source	4 high-performance UV LEDs
Frequency range in Hz / min ⁻¹	1 – 400 Hz / 60 – 24000 min ⁻¹
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 ⁻¹
Resolution of the display	up to 0.01 Hz / 1 min ⁻¹
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
Irradiance E _{UV-A} *	max. 5 W/m ²
Spectral distribution of UV radiation*	365 nm, narrow bandwidths
Operating temperature	0° ... +40° C
Storage temperature	-20° ... +85° C
Air humidity	max. 80 % relative air humidity at 30° C
Certification	CE
Scope of supply	HELIO-STROB UV ³⁶⁵ consisting of control unit HELIO-STROB BETA, UV LED hand lamp
Art.-No.	0300903120

Optional: hand lamps & light sources in the visible range (2700 Lux max. @ 50 cm)
Art.-No. 0310300011 *hand lamp with spot reflector*
Art.-No. 0310300021 *hand lamp with flood reflector*
Art.-No. 0320300010 *flash tube, pluggable*

Revisions in the course of technical progress reserved.

* The technical data of the HELIO-STROB UV³⁶⁵ were measured according to the technical data sheet EM06 of the DGZfP (German Society for Non-Destructive Testing) for non-focussed light emitters at a distance of 400 mm (generally the operating distance).

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