

Safe measurement, indication and control of rotational speed



## RT STROBE 5000 XENON

Shortest flash times and high light intensity for optimum focus up to a web width of 500 mm

Adjustable light intensity from 30 % to 100 %

Homogeneous, large area illumination 300 x 500 mm

For web widths > 500 mm strobes can be connected in parallel

Optional UV equipment, can also be retrofitted





## Shortest flash times with high light intensity for optimum focus up to a web width of 500 mm

**High light output** The large, homogeneous illumination surface delivers superb results even at difficult light conditions, making the *RT STROBE 5000 XENON* suitable for a very wide range of measurement, observation and inspection functions. It is especially suitable for demanding applications, such as those in the printing industry.

**High focus** As a result of its state-of-the-art electronics system, the *RT STROBE 5000 XENON* delivers a high level of illuminance and produces pin sharp images, even with extremely fast movements, thanks to its very short flash duration ( $< 10 \mu\text{s}$ ).

**Flexible adjustment to all applications** Manual control of the light intensity enables you to make precise adjustments to the *RT STROBE 5000 XENON* to cater for all observation functions. Alternatively, the stroboscope can be controlled directly by the trigger signal of your system without the need for additional control units or by various *RT STROBE control* devices. When using these trigger options simultaneously, you can easily alternate between the signal inputs by using the switch on the reverse side of the device.

**Additional control options** The *RT STROBE control* model range includes two devices for varying the control of the *RT STROBE 5000 XENON*:

*RT STROBE eco control* – a simple and inexpensive unit for controlling flash frequency. You simply insert this small control unit into one of the sockets on the reverse side of the device.

*RT STROBE control* - for adjusting the flash frequency, phase shift, delay time and trigger divider. This unit is connected to the stroboscope by cable and provides the convenience of remote control even if the stroboscope within your machine is difficult to access.



# RT STROBE 5000

## Technical data

### General parameters

Frequency range	0 ... 12,500 FPM (flashes per minute)
Power supply	24 VDC (+/- 20 %) / 40 W
	DIN 41524 5-pin standard plug
	universal power supply unit available
External trigger input	3 ... 30 V / max. 5 mA
	(potential-free optocoupler)
	DIN 41524 5-pin standard plug
	U <sub>out</sub> = U <sub>in</sub> , max. 200 mA
	switchable trigger input
Trigger output	for parallel connection

### Flash parameters

Flash duration	$< 10 \mu\text{s}$
Light intensity/sharpness	adjustable, on rotary knob
Light intensity single flash approx.	20 Mega-Lux / 30 cm / 12"
Light intensity	2,500 Lux / 30 cm / 12"
Illumination area	30 x 50 cm / 12 x 20"
Flash colour	approx. 6,000 ... 6,500 K
Flash energy	2,000 mJ (@ $\leq 900$ FPM)

### Housing

Material	Aluminium
Dimensions	230 x 130 x 112 mm / 9.1 x 5.1 x 4.4"
Weight	1,400 g

### Ambient conditions

Ambient temperature	0 ... 40 °C (32 ... 104 °F)
Storage temperature	-25 ... 70 °C (-13 ... 158 °F)
Humidity	max. 95 % not condensing

### Certifications

Certificate of CE conformity

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We reserve the right to make technical changes.

### Scope of delivery

A6-5000: RT STROBE 5000 XENON stroboscope, operating instructions, 1 plug for connection of trigger input and/or power.

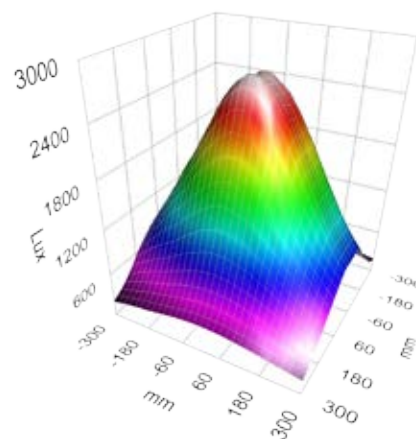
A6-5010: RT STROBE 5000 XENON stroboscope, power supply unit, operating instructions, 1 plug for connection of trigger input and/or power.

A6-5055 (Starter-Set): RT STROBE 5000 XENON stroboscope, power supply unit, RT STROBE eco control, operating instructions, 1 plug for connection of trigger input and/or power.

### Accessories (optional)

Replacement flash tube, tripod/wall mounting, power supply unit, plug for trigger signal/supply connection, UV set for inspection of UV print. Stroboscope control units: RT STROBE control or RT STROBE eco control.

### Illumination level



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Status October 2015  
N0001.842A