

Safe measurement, indication and control of rotational speed



## RT STROBE 5000 LED

Outstanding light intensity  
with intelligent LED-technology  
for web-width up to 500 mm

Low-wear technology  
with LEDs

light intensity and image  
sharpness adjustable

Homogeneous, large area  
illumination 300 x 500 mm

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





## High-performance stationary LED-stroboscope with powerful light output and homogenous illumination area up to web-width 500 mm

**High light output** Due to the configuration with 120 high-performance LEDs, the *RT STROBE 5000 LED* offers a powerful light intensity. The large, homogeneous illumination surface delivers superb results even at difficult light conditions, making the *RT STROBE 5000 LED* 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** With an adjustable flash duration from 1 - 1000  $\mu$  seconds, you will easily find the best combination between light intensity and sharp images for every application.

**Flexible adjustment to all applications** 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 LED*:

*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.



## Technical data

### General parameters

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Frequency range        | 0 ... 120,000 FPM (flashes per minute)           |
| Power supply           | 24 VDC (+/- 10 %) / 20 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

|                                                        |                            |
|--------------------------------------------------------|----------------------------|
| Light intensity/sharpness adjustable with turning knob |                            |
| Light intensity single flash approx.                   | 1.0 Mega-Lux / 30 cm / 12" |
| Light intensity                                        | 7,500 Lux / 30 cm / 12"    |
| Illumination area                                      | 30 x 50 cm / 12 x 20"      |
| Flash colour                                           | approx. 5,000 ... 8,300 K  |

### Housing

|            |                                       |
|------------|---------------------------------------|
| Material   | Aluminium                             |
| Dimensions | 224 x 130 x 112 mm / 8.8 x 5.1 x 4.4" |
| Weight     | 1,250 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.

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### Scope of delivery

A6-5200: RT STROBE 5000 LED stroboscope, operating instructions, 1 plug for connection of trigger input and/or power.

A6-5210: RT STROBE 5000 LED stroboscope, power supply unit, operating instructions, 1 plug for connection of trigger input and/or power.

A6-5255 (Starter-Set): RT STROBE 5000 LED stroboscope, power supply unit, RT STROBE eco control, operating instructions, 1 plug for connection of trigger input and/or power.

### Accessories (optional)

Tripod/wall mounting, power supply unit, plug for trigger signal/supply connection, Stroboscope control units: RT STROBE control or RT STROBE eco control.

### Illumination level

