

# DRELLOSCOP 1510



**Drelloscopie®**



- ***Ultra high-speed flash device for photographing very fast moving objects***
- ***Flash half-life is 500 ns***
- ***Easy installation and operation***

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**DRELO**

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# DRELLOSCOP 1510



In the case of high-speed photography, the shortest possible flash duration is necessary to generate sharp images. The DRELLOSCOP 1510 is one of the fastest flash devices in the world.



The flash is triggered via a positive voltage pulse from +8 V to +15 V. The use of a spark flash tube makes the DRELLOSCOP 1510 suitable for schlieren photography. A remote controller is available as an option for the device.



When using a light screen for triggering a flash, the 171 retarder can compensate for the differences in velocity of various projectiles. Triggering always takes place when the object is in front of the camera.

## Technical data

### Model DRELLOSCOP 1510

#### Flash

Duration	500 ns
Energy	15 Ws

#### Electrical

Supply voltage	230 V $\pm 10\%$ , 40 to 60 Hz
Power	17 W

#### Environmental conditions

Operating temperature	0 to +50 °C
Air humidity	$\leq 80\%$ , non-condensing

#### Trigger

Impulse	+8 V to +15 V
Delay	8 $\mu$ s
Flash repeat	approx. 30 s

#### Device dimensions

Length	490 mm
Width	135 mm
Height	235 mm
Weight	approx. 8 kg

#### Illumination

Beam angle	50°
Illuminated area (d=1 m)	$\varnothing 845$ mm

#### Standard flash tube

Type	Xenon cylinder spark flash tube
Order-No.	2.1594.60001

#### Flash tube, schlieren photography

Type	Point spark pincer
Order-No.	2.1592.60001

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