

DRELLOSCOP 1504



Drelloscopie®



- **Long duration flash device for use with high-speed cameras**
- **Flash duration 20 ms**
- **Light quantity corresponds to a continuous light source of 102,000 Watt**
- **Particularly suitable for temperature-sensitive objects**

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DRELLOSCOP 1504



The DRELLOSCOP 1504 long duration flash device is used for object illumination when filming with high-speed video cameras.

The short flash makes it particularly suitable for temperature-sensitive objects.

The 2040 Ws energy delivered from the flash tube in 20 ms corresponds to the power of a continuous light source of 102,000 W (102 kW).

The flash is triggered by an impulse with a voltage of +5...+24 V.

However the flash can also be triggered with a built-in or cable-connected make contact.

The LE 4052/10 lamp consists of a splash-proof light alloy housing, IP 55 protection class, and has a heat-resistant Tempax protective glass panel on the housing cover. The rod-shaped 105-1 quartz flash tube is arranged to be pluggable.

Technical data

Model

DRELLOSCOP 1504-02

Flash duration, half-life (energy)	20 ms (2040 Ws)
Electrical	
Supply voltage	230 V ±10%, 40 to 60 Hz
Power consumption max.	250 W
Standby power consumption	15 W
Ambient conditions	
Operating temperature	0 to +50 °C
Air humidity	≤ 80%, non-condensing
Triggering	
Impulse	+5 to +24 V
TTL	falling edge
Make contact	•
Delay	approx. 2 ms
Flash repeat	approx. 150 s
Device dimensions	
Length	470 mm
Width	420 mm
Height	185 mm
Weight	approx. 17.5 kg
Lamp	
Type	LE 4052 / 1504
Illumination	
Beam angle	80° (50°)
Illuminated area (d=2 m)	3.4 m x 1.9 m
Lamp dimensions	
Length	210 mm
Width	210 mm
Height	120 mm
Weight	approx. 2 kg
Flash lamp	
Type	105-1 quartz flash tube
Order No.	1.B105.20001

*) Measured along the direction of the flash lamp axis. Perpendicular measurement in brackets.

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