

DRELLOSCOP 1296



Drelloscopie®



- *High illuminating strength and homogenous illumination of the entire track width*
- *Robust, interference-free industrial version for continuous use*
- *Easy operation via control device with multifunctional rotary button*

Measure, monitor and analyse motion

with stroboscopes from

DRELO

www.drello.de

DRELLOSCOP 1296



Stroboscope

High-power wide-angle illumination for track widths of 750 to 2000 mm.

Especially suited for use under daylight conditions.

Extremely short flash duration for excellent image representation.

Daylight-similar light spectrum for colour fidelity.

Uniform homogenous illumination.

To reduce disruptive reflections by metallic print colours or track materials, the brightness is adjustable and an additional glass diffuser disk with metal frame is available.



Remote control

All operating and display elements of the control device are protected against dust and humidity by a abrasion-resistant membrane keyboard.

Magnetic holders are attached to the bottom of the control device for fixing to the machine frame.



Connection

Control of the flash sequence takes place either with manual settings or externally.

Various synchronisation possibilities provide optimum functionality and safe error detection.

The "external" operating mode makes additional image shift or slow motion functions available for optimum smooth visual observation.



Technical data Powerbox

Model

	DS 1296-3	DS 1296-4	DS 1296-5	DS 1296-6
External control	external, by rectangular pulses 0.3...24 Vs			
electronic image shifting	smooth real-time image shifting 0...360°, even during fast changes of the machine speed			
Slow motion function	smooth slow motion function, even during fast changes of the machine speed			
freewheel synchronisation operating mode	Synchronisation without brand scanning, e.g., during rewinding			
Internal control (manual)	internal, manual by rotary adjuster, 30...10000 min ⁻¹			
connectible automatic function	automatic switch-off of flash operation			
brightness setting	automatic depending on the flash sequence, or manual			
Electrical				
Supply voltage	230 V (AC) alternatively 115 V (AC), alternatively 115 V (AC)			
Max. power consumption [W]	180	220	260	300
Max. current consumption [A] (max. 230/115 V)	0.8 / 1.6	0.96 / 1.92	1.1 / 2.2	1.3 / 2.6
Ambient conditions				
Operating temperature [°C]	0...50			
Storage temperature [°C]	-20...+70			
Degree of protection	IP 30			
Dimensions				
Dimensions (L x W x H) [mm]	1140 x 140 x 160	1440 x 140 x 160	1740 x 140 x 160	1740 x 140 x 160
Weight [kg]	approx. 22	approx. 26	approx. 30	approx. 32

Illuminants

Illuminant	Xenon quartz flash tube							
Number of illuminants [pcs.]	3		4		5		6	
Illumination								
Distance [mm]	300	500	300	500	300	500	300 m	500
Area [mm]	1000 x 360	1666 x 600	1300 x 360	2166 x 600	1600 x 360	2666 x 600	1900 x 360	3166 x 600
Level of illumination [lx] @ 10000 min ⁻¹	1880	676	1880	676	1880	676	1880	676

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Technical data

3001 FB control device

Measured value display	5-digit 7-segment display, 12 mm digit height , in min^{-1} , s^{-1} and degree
Electrical	
Supply voltage [V]	from DRELLOSCOP 1296
Max. power consumption [W]	3.6
Max. power consumption [A]	0.3
Ambient conditions	
Operating temperature [°C]	0...50
Storage temperature [°C]	-20...+70
Degree of protection	IP 50
Dimensions	
Dimensions (L x W x H) [mm]	90 x 65 x 170
Weight [kg]	approx. 0.78

Scope of supply

DRELLOSCOP 1296 stroboscope
DRELLOSCOP 3001 FB control device
Connecting cable
Mains cable

Accessories

Replacement flash tube
2 mounting plates, adjustable up to 120°
Glass diffuser disk in the holding frame
Frame with UV filter
Frame with acrylic filter glass in the colours red and blue
KT5 contrast scanner
Clamp for contrast scanner
IK 001-1296 synchronisation module

Options

Extension of the flash frequency
Change of flash energy
Change of cable length
Impulse input modifiable

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