

## Stroboscopes 3000-BD, 3000-ND

Measuring range 240 - 20100 flashes per minute (rpm, min<sup>-1</sup>)  
 Frequency range 4 - 335 Hz

Hand held stroboscope for non-contact determination of revolutions, for monitoring moving parts and ascertain the oscillation frequency of running systems.  
 Industrial stroboscope for mains or battery operation with digital display

Small, compact stroboscope with 450 Lux at 50 cm distance to the measuring object



Stroboscope 3000-ND

### Special Features

- 2 different models  
**3000-ND:** Mains operation 220 - 250 V AC  
**3000-BD:** 12 V DC or battery operation with accessory 2020.03
- LCD display for adjusting the measuring frequency and for reading the measured values. Can be switched to Hz or rpm
- Fine adjustment of measuring range by push and turn encoder.
- Automatic Standby: To protect with flash tube from wearing and to save power the instrument switches automatic off after a few minutes, if flash frequency is not changed. The last reading will be hold. By pushing the control knob the instrument starts again with the last displayed value.
- Microprocessor-technics, high accuracy
- Small, ergonomic designed stroboscope with low weight
- Max. 450 Lux (depending in flash rate) at a distance of 50 cm

### Standard Features

- With automatic range switching for best revolution
- Voltage stabilized, constant-temperature
- Xenon-longlife flash tube
- Easy to use
- Industrial stroboscope with shatterproof plastic housing, VDE-approved

### Available Models

| Typ            | Description  | Frequency Range                   |
|----------------|--|-----------------------------------|
| <b>3000-ND</b> | digital display for 220 - 250 V AC   | 4 - 335 Hz                        |
| <b>3000-BD</b> | digital display for 12 V DC (optional battery pack 2020.03)<br>alternative | 4 - 335 Hz                        |
| <b>3000-NA</b> | analog display for 220 - 250 V AC  | 2.5 - 300 Hz <a href="#">mehr</a> |
| <b>3000-BA</b> | analog display for 12 V DC (optional battery pack 2020.03)                 | 2.5 - 300 Hz <a href="#">mehr</a> |

If 115 V AC is needed, please indicate when you order e. g. 3000-NA-115

**Special models** with extended frequency range (up to max. 30000 rpm) or higher light intensity (max. 600 Lux) are available on request.

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## Accessories (optional)



### Leather Case

Leather imitation to keep safe series 3000  
Weight 0.2 kg, Dimensions 175 x 150 x 90 mm  
**Order number 20030B**

### Accumulator/Charger



with Euro/US adapters, 100 - 240 V AC, 50 - 60 Hz  
**Order number: 2020.03**

**Click picture** for more information



### Red Filter

supplies a better contrast to daylight and prevents the human eye from stress and symptoms of fatigue in case of longtime observation.  
**Order number: 20031B**



### Calibration Certificate

Calibration certificate with calibration report is optional available.

## Spare Parts

### Flash Tube



for series 2000 and 3000  
**Order number: 20010B**

**Click picture** for more information

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## Delivery Includes

1 Stroboscope with transport packing case, 1 clip cable with clamp for external 12 V power supply (only model 3000-BD) and 1 operating instruction in german and english

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## Specifications

|                                    |   |
|------------------------------------|---|
| <b>Models</b>                      | <b>3000-BD and 3000-ND</b>  |
| <b>Flash range:</b>                | 4 - 335 Hz = 240 - 20100 min <sup>-1</sup> with automatic range switching                                       |
| <b>Power supply:</b>               | <b>Model 3000-ND:</b> 220 - 250 V AC, 50/60 Hz, 0.3 - 0.5 A<br><b>Model 3000-BD:</b> 12 V DC, 1.7 A             |
| <b>Light intensity:</b>            | Max. 450 Lux (depending on flash rate) at a distance of 50 cm to the object                                     |
| <b>Flash duration:</b>             | Approx. 2 - 7 µs  |
| <b>Accuracy:</b>                   | < 0.01 % of set value, ±1 digit   |
| <b>Adjustable measuring units:</b> | Hz or rpm   |
| <b>Display:</b>                    | Digital, 2 x 8 characters, LCD display  |
| <b>Standby mode:</b>               | Data-Hold function, last setting is saved<br><b>3000-BD:</b> after 2 minutes<br><b>3000-ND:</b> after 5 minutes |
| <b>Flash Tube:</b>                 | Xenon-longlife (durability approx. 250 h when flash is turned on)   |
| <b>Temperature range:</b>          | 5 - 45 °C   |
| <b>Air humidity:</b>               | 85 % RH, max.   |
| <b>Housing material:</b>           | Plastic, shatterproof, VDE-approved   |
| <b>Dimensions:</b>                 | 155 x 95 x 80 mm (LxWxH)  |
| <b>Weight, net (gross):</b>        | <b>Model 3000-ND:</b> 600 g (800 g)<br><b>Model 3000-BD:</b> 450 g (650 g)                                      |

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[Fotografia are caracter informativ.](#)

NOTE: [Products and specifications are subject to change without prior notice .Pictures may differ from original.](#)