

Handheld stroboscope Phaser Strobe pbx



- mains-independent due to battery operation
- Suitable for continuous operation
- 30 to 50,000 flashes per minute
- Phase delay in the entire operating range
- external triggering and synchronization possible / trigger edge
- backlit, brilliant LCD display with many functions

<https://www.wachendorff-prozesstechnik.de/en/Phaser>

Description

The Phaser-Strobe pbx stroboscope is used for speed and vibration measurement or for observing movement. Its handy design and low weight make it easy to carry out measurements even in hard-to-reach places. The flash frequency is set using a rotary knob and shown on a display. The device also has a trigger input and a trigger output, enabling external triggering and synchronization. The supply voltage is provided by an internal rechargeable battery or via an external power supply unit (continuous operation possible).

Product details

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| Display: | Digital backlit brilliant 6-digit LCD display |
| Operation: | 6 buttons on the viewing side and rotary knob on the side for dynamic speed adjustment |
| Frequency range: | <p>Stroboscope: 30.0 FPM to 50,000.0 FPM (flashes per minute) 0.5 FPS to 830 FPS (flashes per second) Adjustable via rotary knob, keypad or external triggering.</p> <p>Tachometer: Display of speed with external triggering</p> <p>Range: 5.0 rpm to 250,000 rpm 0.5 FPS to 541.66 FPS</p> <p>Phase delay: 0.1° to 359.9°</p> |
| Resolution / time delay: | <p>Resolution: 0.05 FPM to 0.5 FPM</p> <p>Time delay: 0.01 ms to 1000 ms</p> |
| Accuracy: | 0.004 % of the display value ± 1 last digit |
| Flash duration: | typ. 10 µs to 25 µs |
| Lightning energy: | Average 13 watts > 4000 flashes/min; instantaneous per flash 230 mJ to 4000 flashes/min. |
| Flash tube: | Pluggable xenon tube (type L-1903), typ. Lifetime 100 million flashes |

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| Power supply: | Internal rechargeable NiMH battery Continuous operation possible with external mains adapter (supplied). Battery capacity lasts for approx. 60 min at 6000 FPM Charging time: approx. 4 h to 5 h |
| Input / Output: | <p>Input: External triggering of the stroboscope, TTL signal up to max. 24 VDC (pulse width min. 500 ns) Trigger edge selectable</p> <p>Output: Synchronization with other devices, pulse signal 40 µs, Trigger edge selectable</p> |
| Sensor supply: | 6 VDC |
| Ambient conditions: | 0 °C to +40 °C |
| Dimensions (W x H x D): | <p>Housing body: 93 mm x 90 mm x 229 mm</p> <p>Reflector housing: Diameter 122 mm</p> <p>Handle: Length 108 mm</p> |
| Housing: | Robust plastic housing |
| Manufacturer: | Monarch Instrument, USA |

Products Order no.

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| PHASE000 | Phaser strobe with power supply unit |
| PHASEKIT | Phaser strobe kit (with power supply unit, spare bulb and plastic case) |

Accessories Order no.

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| OSENP000 | Optical sensor (round) with plug, diffuse, Diameter: M16, Switching distance sn: 0.9 m / ±45°, Scanning frequency: up to 4166 Hz, NPN, 2.4 m cable with 3.5 mm jack plug |
| L1903000 | Replacement flash tube |
| NOVASPC1 | Splash protection cover |
| NOVSNETO | Universal charger for stroboscope/ PALMSTROBE |



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