

# Hand stroboscope

**testo 476 – With especially high-intensity light**

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High adjustment accuracy and stability thanks to setting wheel with dynamic reaction

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High-intensity light thanks to energy-optimized switching electronics and high-performance xenon flash lamp

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Memory function (last value is stored when instrument is switched off)

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High-performance battery pack for min. 2 hours continuous operation without mains connection over entire frequency range

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Trigger input for synchronizing the flash sequence (long-term inspection)

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Tripod connection on housing

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The high light-intensity hand stroboscope testo 476 is used when it is necessary to make fast-moving objects appear in slow motion. The hand stroboscope Pocket Strobe™ measures and tests rotation and vibration movements. It allows the measurement of very small objects, or in places which are not directly accessible – and it does this without interrupting the production process! The testo 476 is thus optimally suitable for rpm measurements and for the inspection of components moving at high frequencies. The energy-optimized switching electronics and the light-

intensive xenon flash lamp provide a high light intensity (approx. 800 Lux). testo 476 has a memory function which stores the last measurement value when the instrument is switched off. For long-term inspections of measurement objects, a trigger input is available.

The high-performance battery pack allows a continuous operating time of at least 2 hours over the entire frequency range.

## Technical data / Accessories

### testo 476

testo 476 RPM measuring instrument pocket strobe incl. transport case, charger with 4 country adapters and trigger signal connector

Part no. 0563 4760



#### Sensor type Xenon

|                      |                   |
|----------------------|-------------------|
| Measuring range      | +30 to +12500 rpm |
| Accuracy<br>±1 digit | ±0.01% of m.v.    |
| Resolution           | 1 rpm             |

#### General technical data

|                              |                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------|
| Operating temperature        | 0 to +40 °C                                                                                  |
| Dimensions                   | 240 x 65 x 50 mm                                                                             |
| Weight                       | 415 g                                                                                        |
| Display                      | LCD, 1 line                                                                                  |
| Display:                     | 5 digit LCD display                                                                          |
| Illumination:                | 800 Lux at distance of approx. 20 cm                                                         |
| Flash energy:                | max. 150 mJ                                                                                  |
| Flash duration:              | <20 µs                                                                                       |
| Light colour:                | 6000 to 6500 K                                                                               |
| Type of operation:           | Rechargeable battery                                                                         |
| Mains voltage rech. battery: | 100 to 240 V, 50/60 Hz                                                                       |
| Battery type:                | NiMH rech battery pack                                                                       |
| Battery charging time:       | max. 3.5 h                                                                                   |
| Total discharge protection:  | Yes                                                                                          |
| Overload protection:         | Yes                                                                                          |
| Trickle charging:            | Yes                                                                                          |
| Connection external trigger: | 0 to 5 V DTL/TTL compatible; 3.5 mm / 1/8 Standard plug; U <sub>out</sub> =7.2 V unregulated |
| Housing material:            | ABS                                                                                          |
| Operating time:              | 1h at 30 to 12,500 rpm and 23°C (typically)                                                  |
| Flash lamp life:             | 100 mio. flashes                                                                             |

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Subject to change without notice.

#### Accessories

#### Part no.

#### Accessories for measuring instrument

|                                                                                                                      |           |  |
|----------------------------------------------------------------------------------------------------------------------|-----------|--|
| Spare xenon flashlamps for hand-held stroboscope, high light intensity                                               | 0213 0020 |  |
| ISO calibration certificate/rpm<br>optical and mechanical rpm measuring instruments; cal. points 500; 1000; 3000 rpm | 0520 0012 |  |

