

testo

717 4962  
717 4974  
717 4986

## Non-contact measurement of rpm and oscillation

### The convenient mini stroboscope for many different applications

- Measurements possible in inaccessible places on account of handy probe design
- High-speed measurement feature using a "Fast Finder" function
- Mains-independent due to battery operation
- Reflective markings on the measured object are not required
- The production process is not interrupted
- Two-line display with simultaneous display of rpm and frequency
- External trigger with predivision (ratio measurement) and phase correction possible
- Optional connection of a mechanical rpm sensor

- Measurement of rpm of fans, motors, rollers etc. (Figure 1)
- Oscillation measurement (Figure 2)
- Process monitoring (Figure 3)
- Slip recognition in couplings
- Measurement of rpm of drilling machines (Figure 4)
- and many more

## testo 475 including power unit



**Sensor:** Flashlight transmitter or mechanical sensor

**Measuring range:** 20 to 20 000 rpm  
0.333 to 333 Hz

**Accuracy:**  $\pm 1$  digit in all ranges

**Display:** two lines  
(rpm/frequency)  
4 digit LCD

**Frequency range adjustment (internal):**

- from final value to final value:  $< 15$  s
- Conversion begins slowly and becomes exponentially faster if the key is kept pressed

**External input:**

- TTL, protected against over-voltage
- the flashlight frequency is automatically switched over when a square wave signal is set up

**External output:** TTL, protected against short-circuits

**Standby (can be switched off):** automatic locking of the ignition pulses from the flash tube, if no frequency correction is undertaken for 33 s

**Battery prot.:** 6 NiCd batt. 1.2V/600mAh

**Battery life:** approx. 30 min with 90% charged batteries and max. flashlight frequency

**Dimensions/Weight:** instr. 168 x 72 x 27 mm/  
170 g incl. battery

### Flashlight transmitter

**Measuring range:** 100 to 20 000 rpm  
1.67 to 333 Hz

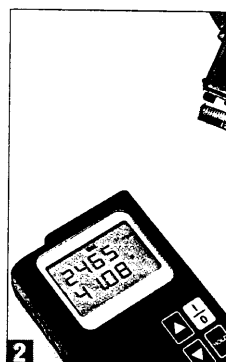
**Accuracy:**  $\pm 1$  digit in all ranges

### Mechanical sensor

**Measuring range:** 20 to 20 000 rpm  
0.33 to 333 Hz

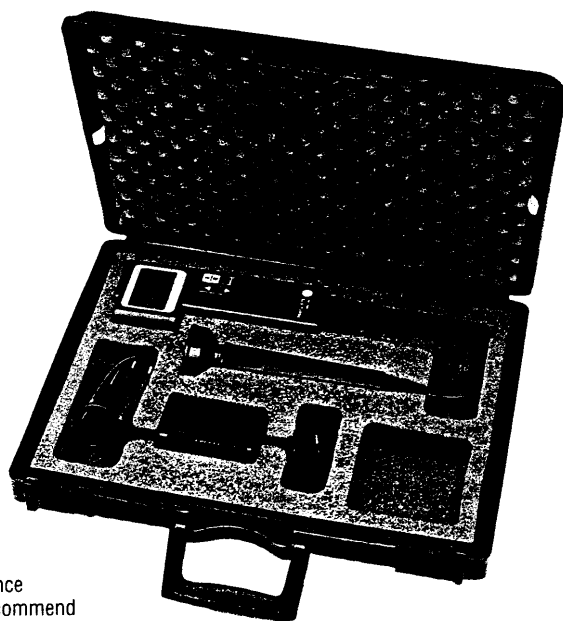
**Accuracy:**  $\pm 1$  digit in all ranges

**Warranty:** Measuring instr.: 2 years  
Sensor: 1 year



**testo**

## Recommended sets



For critical and reference measurements we recommend calibration certificates.

**Set 1**

### Description

### Part no.

**testo 475** mini stroboscope  
including power unit and instruction manual  
Flashlight transmitter  
Connecting cable for trigger  
Transport case for mini stroboscope,  
flashlight transmitter and accessories

0563.4750 C  
0640.4750 C  
0554.0475 C  
0516.4750 C

## Ordering data for **testo 475** mini stroboscope

### No. Measuring instrument and accessories

### Part no.

1 **Mini stroboscope testo 475**

including power unit and instruction manual

0563.4750 C

2 **Connecting cable for external trigger**

0554.0475 C

3 **Transport case** for testo 475 and accessories

for safe storage of instrument and accessories

0516.4750 C

4 **ISO calibration certificate**

Calibration points: 500, 1000, 3000 rpm

0520.0012 C

### No. Sensor

### Part no.

5 **Flashlight transmitter**

0640.4750 C

6 **Mechanical sensor**

incl. 2 probe tips, 1 hollow cone and 1 surface speed disc

0640.0448 C