

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: ± 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

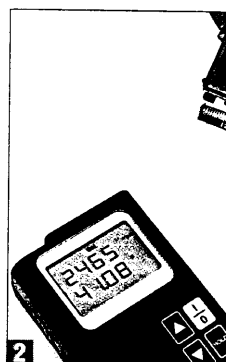
Accuracy: ± 1 digit in all ranges

Mechanical sensor

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

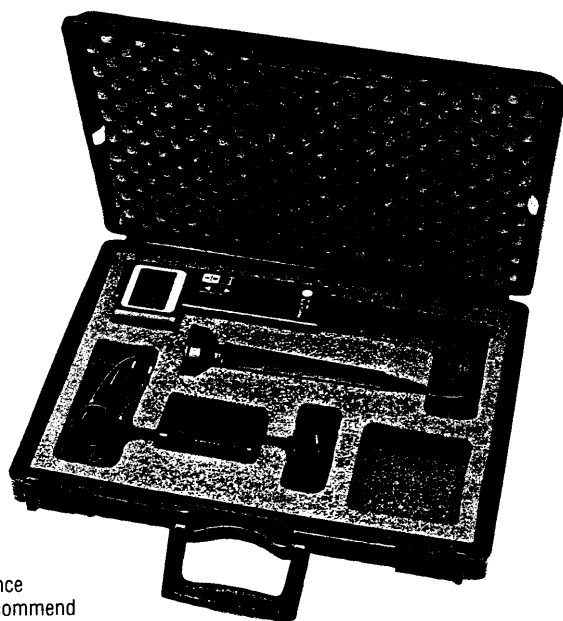
Accuracy: ± 1 digit in all ranges

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