

We measure it.



## rpm measuring instrument

**testo 470 - For non-contact and mechanical measurement**

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Easy one-hand operation

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Measurement of rpm, speeds and lengths

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Storage of mean, max. and min. values as well as the last measurement value

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Measurement distance up to 600 mm (optical measurement)

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Battery check "Low Batt"

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Robust design thanks to SoftCase (protective case)

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The rpm measuring instrument testo 470, which can be operated with one hand, offers an optimum combination of optical and mechanical rpm measurement. By simply attaching an adapter for a probe tip or a speed disc, the optical measurement becomes a mechanical one. This allows speeds and lengths to be measured additionally. For optical measurements, simply attach a reflective marker

(optional) to the measurement object, point the visible measurement spot at the reflective marker, and measure. The distance to the measurement object is up to 600 mm. The testo 470 stores mean, min. and max. values as well as the last measurement value. The SoftCase included in delivery protects the instrument from impact, ensuring an especially long working life.

[www.testo.com](http://www.testo.com)

## Technical data / Accessories

### testo 470

testo 470, rpm measuring instrument set:  
instrument in transport case, incl. adapter, probe  
tip, surface speed disc, reflectors, batteries and  
calibration protocol

Part no. 0563 0470




### Sensor types

	Optically with mod. light beam
Meas. range	+1 to +99999 rpm
Accuracy ±1 digit	±0.02% of mv
Resolution	0.01 rpm (+1 to +99.99 rpm) 0.1 rpm (+100 to +999.9 rpm) 1 rpm (+1000 to +99999 rpm)
	Mechanical
Meas. range	+0.1 to +19.999 rpm
Accuracy ±1 digit	±0.02% of mv

### General technical data

Oper. temp.	0 to +50 °C
Storage temp.	-20 to +70 °C
Battery type	2 AA batteries
Battery life	40 h
Display	5-figure LCD display, 1-line
Dimensions	175 x 60 x 28 mm
Weight	190 g
Warranty	2 years

	0.1 m	6"	12"
<b>m/min</b>	0.10-1999	0.10-1524	0.40-609.6
<b>ft/min</b>	0.40-6550	0.40-5000	0.40-2000
<b>in/min</b>	4.00-78700	4.00-60000	4.00-24000
<b>m/sec</b>	0.10-33.30	0.10-25.40	0.10-10.16
<b>ft/sec</b>	0.10-109	0.10-83.33	0.10-33.33
<b>m</b>	0.00-99999	0.00-99999	0.00-99999
<b>ft</b>	0.00-99999	0.00-99999	0.00-99999
<b>in</b>	0.00-99999	0.00-99999	0.00-99999

Units rpm, m/min, ft/min, in/min, m, ft, in

Accuracy: (±1 digit/0.02 m/1.00 inch depending on resolution)  
Measuring wheels: 0.1m, 6" (included)

### Accessories

### Part no.

#### Accessories for measuring instrument

Reflectors, self-adhesive (1 pack = 5 off, each 150 mm long)	0554 0493	
Measuring wheel 12"	0554 4755	
Measuring wheel 6"	0554 4754	
ISO calibration certificate/rpm optical and mechanical rpm measuring instruments; cal. points 500; 1000; 3000 rpm	0520 0012	
ISO calibration certificate/rpm optical rpm measuring instruments; calibration points 10; 100; 1000; 10000; 99500 rpm	0520 0022	
ISO calibration certificate/rpm Calibration points freely selectable from 10 to 99500 rpm	0520 0114	
DAkkS calibration certificate/rpm Optical rpm probes, 3 points in instrument measurement range (1 to 99,999 rpm)	0520 0422	