

## testo 470/471, non-contact and mechanical rpm measurement

### testo 470 / testo 471

#### Non-contact and mechanical

The optimum combination of optical and mechanical rpm measurement. By simply attaching an adapter for a measuring tip or surface speed disc, the optical measurement becomes a mechanical one.

- Measurement of rpm, speeds and lengths
- "Low Batt" warning
- Robust design with SoftCase (protective case)

#### testo 470

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

Part no. 0563 0470

#### testo 471

Included in delivery: as testo 470, additionally: thread counter for measuring lengths and speeds of threads, wire or (glass) fibres

Part no. 0563 4710

#### Technical data

Probe type	Optically with mod. light beam	Mechanical
Meas. range	+1 to +99999 rpm	+1 to +19.999 rpm
Accuracy ±1 digit	±0.02% of mv	±0.02% of mv
Dimensions	175 x 60 x 28 mm	Weight 190 g
Speed:	0.10 to 33.3 m/s; 0.1 to 109 ft/s; 0.10 to 1.999 m/min; 0.40 to 6550 ft/min; 4.00 to 78.700 in/min	
Lengths:	0 to 99.999 m; 0 to 99.999 ft; 0 to 99.999 in	
Accuracy:	(±1 digit/0.02 m/1.00 inch depending on resolution)	
Measuring wheels:	0.1m, 6" (included)	

Further technical data and ordering data as testo 465, see below



Non-contact (optical) rpm-measurement



Mechanical rpm-measurement

Mechanical rpm measurement on a roller



Mechanically with a thread counter, testo 471 only



Mechanically with a probe tip



Mechanically with a surface speed disc

#### Accessories Ordering data

Accessories Ordering data	Part no.
Measuring wheel 12"	0554 4755
ISO calibration certificate/rpm, optical and mechanical rpm measuring instruments; cal. points 500; 1000; 3000 rpm	0520 0012

## testo 465, non-contact rpm measurement

### testo 465

#### Non-contact

Using testo 465, rpm can be easily measured without contact. Simply attach a reflector to the object to be measured and then point the visible, red light beam at the reflector and measure.

- Storage of mean/max/min value, last reading
- Measurement distance up to 600 mm
- Robust design on account of SoftCase (protective case)

#### testo 465

testo 465, rpm measuring instrument set: Measuring instrument with SoftCase (protective case) in transport case (plastic), incl. reflectors, batteries and calibration protocol

Part no. 0563 0465

#### Accessories Ordering data

Accessories Ordering data	Part no.
Reflectors, self-adhesive (1 pack = 5 off, each 150 mm long)	0554 0493
ISO calibration certificate/rpm, optical rpm measuring instruments; calibration points 10; 100; 1000; 10000; 99500 rpm	0520 0022



Non-contact (optical) rpm-measurement



rpm measurement on shafts

#### Technical data

Probe type	Optically with mod. light beam
Meas. range	+1 to +99999 rpm
Accuracy ±1 digit	±0.02% of mv (+1 to +99999 rpm)
Resolution	0.01 rpm (+1 to +99.99 rpm) 0.1 rpm (+100 to +999.9 rpm) 1 rpm (+1000 to +99999 rpm)
Oper. temp.	0 to +50 °C
Storage temp.	-20 to +70 °C
Battery type	2 AA batteries or rech. battery
Battery life	40 h
Dimensions	144 x 58 x 20 mm
Weight	145 g