

We measure it.



LED hand stroboscope

testo 477 – The measuring instrument for high revolutions

High measuring range: up to 300000 flashes per minute (fpm)

Very high light intensity of up to 1500 Lux

Long operating time thanks to battery life up to 5 h

Ideal for tough applications thanks to impact protection and IP65

Trigger input and output



The testo 477 LED hand stroboscope is used when it is necessary to make fast-moving objects appear in slow motion. testo 477 visualizes rotation and vibration movements and allows measurement during continuing operation. The static image allows the inspection and qualitative evaluation of components moving at high frequencies.


Thanks to the trigger input and output, the testo 477 can be connected to external systems and controlled by an external sensor.

The impact protection on the testo 477 and the protection class IP65 additionally guarantee that the instrument can be used under tough conditions. The long battery life enables you to carry out measurements for up to five hours.

Technical data / Accessories

testo 477

testo 477 LED strobe for RPM measurement incl. transport case, trigger signal connector, battery and calibration protocol



Part no. 0563 4770

Sensor type	LED
Measuring range	30 to 300000 fpm
Accuracy ±1 digit	0.02 %
Resolution	±0.1 (30 to 999 fpm) ±1 (1000 to 300000 fpm)

General technical data	
Protection class	IP65
Display	LCD, multiline
Flash duration	Can be adjusted
Flash intensity	1500 Lux at 6000 FPM / 20 cm
Flash colour	Approx. 6500 K
Service life	NiMH rechargeable battery: Approx. 11 h at 6000 fpm Batteries: approx. 5 h at 6000 fpm (3 x AA)

Trigger input	
Principle	Optocoupler
Low level	< 1 V
Level	3 to 32 V (square wave voltage), NPN + PNP
Pulse duration	50 µs
Reverse battery protection	Yes

Trigger output	
Principle	Short-circuit and surge-proof transistor output
Level	NPN, max. 32 V
Pulse duration	Can be adjusted
Maximum current	50 mA
Reverse battery protection	Yes

Accessories	Part no.
ISO calibration certificate/rpm optical and mechanical rpm measuring instruments; cal. points 500; 1000; 3000 rpm	0520 0012
DAkkS calibration certificate/rpm Optical rpm probes, 3 points in instrument measurement range (1 to 99999 rpm)	0520 0422

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Subject to change without notice.

