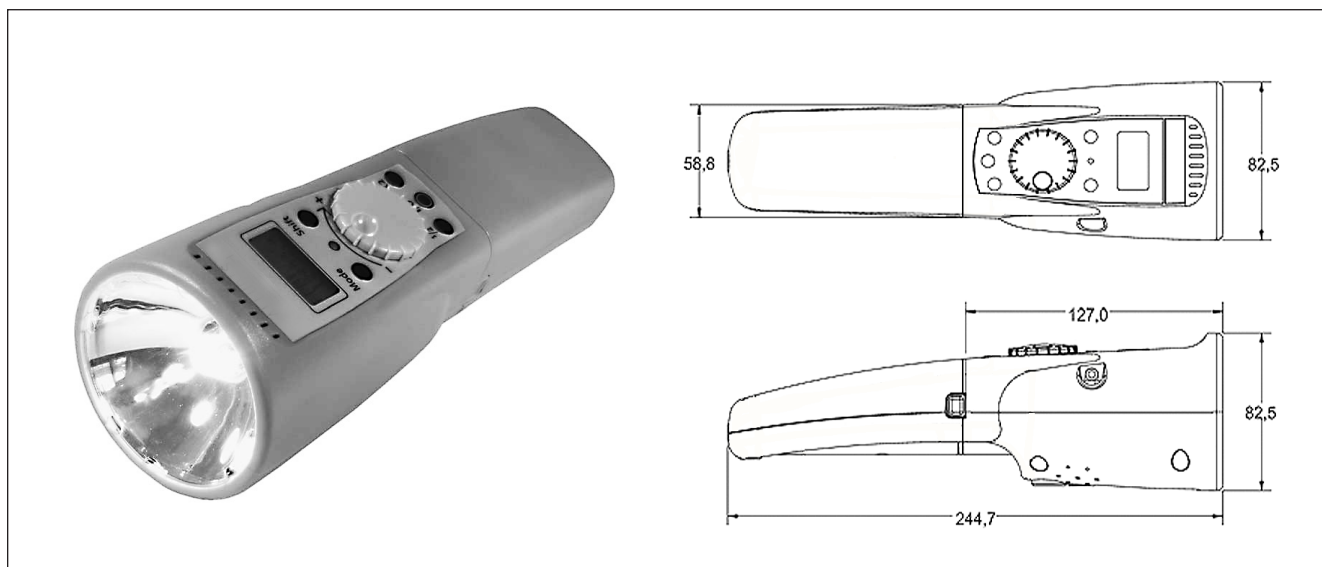


Digital Hand Stroboscope 16936



The Digital Hand Stroboscope 16936 is suitable for non-contact RPM measurements and for observation of fast, repeated motions of machines, their moving components or handled material from a distance of 20 to 50 cm.

The revolving or oscillating machine component can be visualised as a stop-motion picture by adjusting the light flashes synchronously to the rate of the movement.

With the multiplier/divider function, the actual RPM or frequency of the motion can be determined accurately. The phase-shift function enables visual positioning of the observed component, as well as the incremental observation of a complete course of motion in 5° steps.

Due to its flash rate with low deviation from the actual motion frequency, the courses of motion can be observed under a slow-motion effect.

Technical data

Range	40 to 12500 fpm
Accuracy	0.01% (+/-0,5 fpm)
Resolution	0.1 fpm
Phase shift	360°
Multiplier	X 2, X ½
Output signal	5 V TTL Low <0.5 V / High >4.0 V / pulse length 20 to 24 µs
Input Signal	5 V TTL Low <0.8 V / High >2.8V / pulse >5µs
Illuminance	50 cm distance / 6.000 fpm > 400 Lux @ D=10cm > 150 Lux @ D=20cm
Flash tube	Xenon 10 W, white 6500°K Life time 100 mio flashes Flashing time 10 to 15 µsec Flash energy ~ 400 Lux
Display type	2 x 8-digit Dot-Matrix

Battery	Removable rechargeable NiMH battery pack 2,6 Ah
Operation time	approx. 120 min @ 1500 fpm
Recharge time	approx. 2 to 4 h, overcharge protection
Battery charger	100 to 240 VAC (50 to 60 Hz) universal adapter EU/USA/GB/AUS
Temperature range	Operation 10 to 40 °C Storage -20 to 45 °C
Weight	650 g (instrument with battery)
Housing material	Polycarbonate
Tripod fixing	1/4-20 UNC, length 8 mm

Part number

16936	Stroboscope incl. battery pack, battery charger with exchangeable plugs, spare flash tube, operation manual, plastic carrying case with foam insert
CAB90	Stroboscope cable for Leonova Diamond/Emerald 5 pin - phones 3.5 mm, 1.5 m, spiral

Spare parts

90545	Rechargeable battery pack
90544	Spare flash tube
81508	Spare front glass

