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## SMS-100L

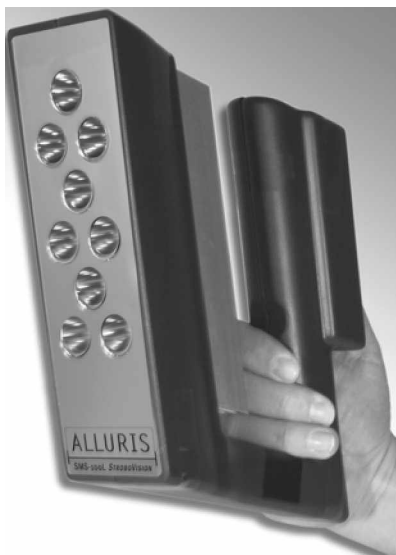
### *StroboVision – LED Handheld Stroboscope*

#### Features

- High performance LED stroboscope for industrial applications, with measuring range of 60...120.000 flashes/min
- Highest precision and constant outstanding illuminance through electronic flash control
- Maximal availability by means of long battery life; operation possible during battery charging; no wearout of flash tubes



#### Details



State-of-the-art LED technology, combined with very precisely operating electronics, which controls flash sequences and length throughout the whole measuring range.

This high performance LED stroboscope is suitable for non-contact RPM measurements and for observation of fast, repeated motions of machines, their moving components or handled materials, at which the observer receives the subjective impression, that the object stands still.

Owing to its very wide frequency range and its adjustable flash length, it can be utilised in many various fields, where fast motions should be visualised (e.g. vibrations). With the multiplier/divider function, the actual RPM or frequency of the motion can be determined accurately. The phase shift function enables slow-motion effects and visual positioning of the observed component.

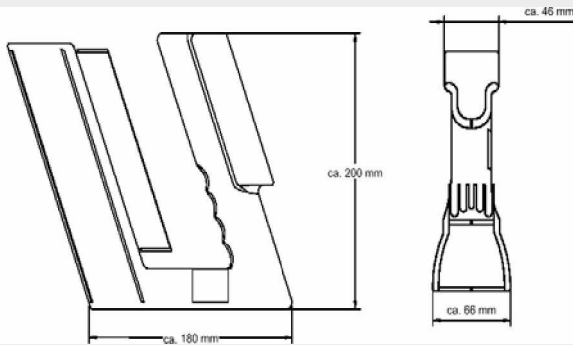
The instrument has a programmable trigger input for connecting external setpoint devices and a 12 VDC power supply available for sensors.

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## Order Info

### SMS-100L



LED stroboscope with integrated NiMH battery, rechargeable, AC charger and operation manual in carrying case.

SMS-800N Calibration Certificate – Stroboscopes (new instrument)

## Spec

### SMS-100L

Range  
Accuracy

Resolution

Operation Modes

Signal Output

Signal Input

Display

Flash Source

Illuminance

Battery

Power Supply

Temperature Range

Weight

Housing Material

internal Trigger

external Trigger

programmed operation

type

sensor supply

Display type

type

flash length

50 cm | 6.000 fpm

20 cm | 6.000 fpm

type

operation/ recharge time

operation during charging

charger

operation

1...2.000 Hz | 60...120.000 FPM

0,001% (+/- 1 digit)

0,1 FPM (60...12.000 FPM) | 1 FPM (12001...120000)  
0,001 Hz (1,000...199,999Hz) | 0,01 Hz (200,00...1999,99)

multiplier und divider (X 2 | X ½) temporary

phase angle shift +6° / -6°

phase angle delay 0...359,5° (increment 0,5°)

delay time adjustable 0,00...999,99 ms

trigger edge adjustable | trigger divider 1...128

Open Collector (3...24VDC, 100µsec, 4mA)

optocoupler (8...16mA | 1,6 V | minimum pulse width 1 µsec

12 VDC | max. 100mA | multiplier 820 Ohm

24 VDC | max. 100mA | multiplier 1,8 kOhm

6-digit main display | sub-displays | function display | backlighting

LED | white 6500K

electronically controlled (frequency dependent) | (0,14...100µsec)

> 250 Lux @ D=10cm | > 150 Lux @ D=20cm

> 1000 Lux @ D=10cm | > 350 Lux @ D=20cm

rechargeable NiMH-battery

approx. 2-4 h

9

85...245 VAC (50...60Hz), universal plugs

0...35° C

950 g

Polycarbonate