STROBOSCOPE

PCE-DSX 5



- **Flash frequency in FPM or Hz**
- **Fine adjustment in steps, x1, x10, x100**
- **LED brightness adjustment 10 ... 100%**
- **Switchable backlight**
- **Phase shift**
- **Light source: 16 LEDs**

The Stroboscope is a modern measuring instrument for non-contact determination of rotational speeds and for observing rapidly moving or rotating objects. It uses an LED light source that impresses with high brightness, long service life and reliable triggering. The Stroboscope's flash frequency is electronically controlled and ensures particularly stable and precise output.

The measuring range of the Stroboscope is 60 ... 100,000 FPM (1 ... 1,666.66 Hz), the resolution is 1 FPM or 0.01666 Hz, and the rotational speed can be measured non-contact with an accuracy of ±0.001% of setting.

Thanks to the finely adjustable LED flash frequency, the Stroboscope can be optimally synchronized to the movement speed of the object under inspection. This allows rotating parts to be observed in detail, and rotational speed, surface condition and operating state can be analyzed precisely.

The Stroboscope features a clear LCD display that presents all relevant measurement values and settings in a clear layout. Operation is via intuitive button control, allowing modes such as FPM (flash frequency), Hz (frequency) and brightness to be selected and adjusted directly. Phase shift can be set individually to observe the object from different angles.

Power is supplied by an integrated 7.4 V, 2000 mAh lithium battery, which can be conveniently charged via the USB interface.

Specification

Optical speed	
Measuring range	60 ... 100000 FPM
Resolution	1 FPM
Accuracy	±0.002% of setting
Frequency	
Measuring range	1 ... 1666,66 Hz
Resolution	0,01666 Hz
Accuracy	±0.002% of setting

General technical data	
Display type	LCD with backlight
Display size	2,5 Inch
Light source	16 LEDs
Luminous intensity	2230 lx @ 20 cm @ 1000 Hz 1070 lx @ 30 cm @ 1000 Hz 440 lx @ 50 cm @ 1000 Hz
Menu language	English, English (GB)
Protection class (device)	IP30
Power supply	5 V DC
(Rechargeable) battery	1 x 7,4 V internal , Lithium-ion battery
Capacity	2000 mAh
Operating conditions	-10 ... 55 °C , 0 ... 95 % RH
Storage conditions	0 ... 50 °C , 0 ... 95 % RH
Dimensions (L x W x H)	210 x 78 x 114 mm
Weight	355 g

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