CAR MEASURING DEVICE

PCE-DSX 10



- **Measuring range from 60 ... 999999 rpm**
- **Doubling/dividing the FPM by pressing a button**
- **Flash frequency in FPM and Hz at a glance**
- **Fine adjustment step by step, +1, +10, +100 FPM**
- **LED brightness setting 10 ... 100 %**
- **Light source 9 LEDs**

The rev counter utilises the so-called " stroboscope effect" to analyse fast movements, vibrations or periodic processes. With the help of 9 high-intensity LEDs, the speed measuring device generates short flashes of light with an illuminance of up to 1500 lx. These flashes of light are emitted in synchronisation with the frequency of the movement to be monitored until the object appears to stand still to the observer. The digital stroboscope allows the user to focus on specific phases or features of the movement in order to detect defects or irregularities in rotating or oscillating parts.

The flash frequency can be read in both FPM (flashes per minute) and Hz (Hertz). The digital stroboscope has a memory for up to 5 preset flash frequencies so that frequently used settings can be repeated quickly and effortlessly. The one-handed operation makes it easy to control and adjust the settings without complicated menus. The flash frequency is fine-tuned step-by-step on the speedometer using a rotary dial. For quick adjustment of the flash frequency, the car measuring device offers options in steps of 10 and 100 as well as the option to double or halve the flash frequency.

With an LED brightness setting of 10 to 100 per cent, users can adjust the light intensity to suit their needs, whether for detailed analysis or wider illumination. The car measuring device also offers a phase shift from -360° to +360°.

Specification

Optical speed	
Measuring range	60 ... 999999 rpm
Resolution	1 rpm
Accuracy	0.001 %

General technical data	
Frequency	1 ... 16666.66 Hz
Display type	LCD with backlight
Storage medium	Internal memory
Storage capacity	5 Values
Operating time	8 h
Light source	9 LEDs
Luminous intensity	approx. 1500 lx @20cm
Phase shift	-360 ... 360 °
Menu language	English
Protection class (device)	IP20
Power supply	5 V
Capacity	2000 mAh
Operating conditions	-10 ... 55 °C , 0 ... 85 % RH
Storage conditions	-10 ... 55 °C , 0 ... 85 % RH
Dimensions (L x W x H)	210 x 90 x 57 mm
Weight	307,5 g

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