

Tachometers

PCE-OM 15

Stroboscope with external trigger and AC power

The PCE-OM 15 stroboscope has an external trigger function as well as a 6500 K xenon white lamp. This unit flash freezes the motion and measures the speed of a rotating object without contact, simply by aiming and synchronizing its flash rate (fpm) with the speed (rpm) of the object. The stroboscope has a 230V power supply and it is ideal for quality control of all type of components and rotating machines in preventative inspection, maintenance procedures, motion analysis, gear movement, etc.

- ON / OFF switch, range adjustment, fine and coarse adjustment buttons to synchronize flash, double or divide in half the flashing and display rate with just one activation, memory
- Frequency range adjustment with turn-key
- Detachable pistol-grip handle
- Xenon white lamp of 6.500 K
- External trigger function
- RS-232 interface
- Tripod for fix the unit
- ISO Certificate as optional



Technical specifications

Measurement range	5 to 12,500 r.p.m. 0.083 to 208 Hz
Accuracy	±0.15 % (up to 1,000 r.p.m.) ±0.5 % (up to 3,300 r.p.m.) ±1.0 % (over)
Resolution	0.1 (up to 999 r.p.m.) 1.0 (> 999 r.p.m.)
Maximum distance	1 m (depending on operating illumination)
Phase shift	no
Power	230 V AC 50 Hz
Enclosure	ABS plastic
Dimensions	210 x 120 x 120 mm
Weight	1100 g

Contents

PCE-OM 15 Stroboscope, detachable pistol-grip, power adaptor and user's manual

Model No.	Description
PCE-OM 15	Stroboscope

Optional accessories

XL-DS	Spare Xenon White lamp
STAT	Tripod
CAL-DS	ISO Certificate



PCE-OM 200

Phase displacement stroboscope, trigger input and powered by rechargeable battery

High performance stroboscope with sturdy enclosure. The flash frequency is adjusted from the apparatus and appears on the LED display. The machine component or the material to be tested is illuminated in respect to the frequency of repetition of movement and when this is done, the user perceives the object to be stationary. Impulses can be divided or multiplied to determine the exact number of revolutions.

- Powered by rechargeable NiCad battery (14.4 V)
- Phase displacement
- Flash frequency adjusted using the device or it can be input from an external sensor/trigger input
- Frequency can be adjusted: x2 or /2
- Continuous operation without losing power thanks to the large reflector and good heat displacement
- 13 W, 6,300 K, white Xenon lamp
- Large LED display
- Optional ISO calibration certificate



Technical specifications

Measurement ranges	30.0 to 14,000 r.p.m. 0.5 to 233.33 Hz
Accuracy	±0.01 %
Resolution	0.1 r.p.m.
Maximum distance	1,5 m (depending on illumination)
Phase displacement	yes, up to 360 °
Power	internal rechargeable battery
Mains Power	230 V / 50 Hz
Indicator	LED
Enclosure	plastic
Dimensions	110 x 185 x 300 mm
Weight	with accumulator 1880 g

Contents

PCE-OM 200 stroboscope, rechargeable battery, charger, replacement lamp, case and user's manual

Model No.	Description
PCE-OM 200	Stroboscope with rechargeable battery, charger, spare lamp and carrying case

Optional accessories

UNX-TP	Trigger cable (impulse input)
UNX-TC	Trigger cable (contact input)
EA-200	Replacement rechargeable battery
ER-200	Replacement xenon lamp
STAT	Tripod
CAL-DS	ISO Certificate

Beacon

Handheld stroboscope with high light unit

The high powered, handheld Beacon stroboscope allows you to measure revolutions, oscillations or observe movement in sieving processes. It has a small, light weight enclosure. Because of this it can be used to measure with comfort in the places difficult to access. The intensity of light of 1374 lux at 5 m distance allows you use it in conditions of low illumination. The flash frequency is adjusted with two keys and it appears on the digital display.

- ON/OFF switch, fine and coarse adjustment buttons to synchronize flash, double or divide to half the flashing
- 1374 lux Xenon white lamp (100 million flashes)
- FPS/Hz = flashes / second or Hz
- Three power levels
- Long battery life: 30 min (maximum intensity and flash range)
- Solid enclosure
- Operates with rechargeable battery
- Two batteries included
- ISO Certificate as optional



Technical specifications

Measurement range	30.0 to 18,000 r.p.m. 0.5 to 300 Hz
Accuracy	±0.01 % of reading
Resolution	± 0.1 r.p.m. (full range)
Maximum distance	5 m (depending on operating illumination)
Phase shift	yes, up to 360 °
Power	15 VDC (internal rechargeable battery, charges in 2 to 3 h)
Enclosure	ABS plastic
Dimensions	168 x 161 x 342 mm
Weight	2300 g (with battery)



Beacon in use

Contents

Beacon Stroboscope, battery charger, adaptor, 2 batteries and user's manual

Model No.	Description
Beacon	Stroboscope with batteries

Optional accessories

TC-BEAC	Trigger cable (impuls & contact)
ER-BEAC	Replacement xenon lamp
EA-BEAC	Replacement battery
NST-BEAC	Nylon carrying case
CAL-DS	ISO Certificate

PCE-T259

Handheld tachometer and stroboscope: two meters in one

This tachometer and stroboscope in one is useful for inspection and maintenance in production processes. It is a handheld meter that is ideal for checking revolutions of machine components or in motors, fans and other mechanisms.

Stroboscope

The stroboscope has a measurement range of 100 to 100,000 r.p.m.. Due to the connection IC and the orange lamp LED the meter has low power consumption and it doesn't require maintenance. The stroboscope is adjusted by two knobs for fine and normal adjustment.

Tachometer with non-contact measurement

Tachometer without contact from 5 to 100.000 r.p.m. with a resolution of 0.1 (within <1,000 r.p.m.).

- High power LED lamp
- Solid, ABS plastic enclosure
- 5 digit LCD, 10mm, 180° automatic drawing (depending on measurer model)
- Memory for last, maximum and minimum values, automatic update when the unit is turned on
- ISO Certificate as optional



Technical specifications

Measurement range	5 to 99,999 r.p.m. (photo) 100 to 100,000 r.p.m. (stroboscope - flashes/min)
Accuracy	±0.1 % of value; ±2 positions
Resolution	0.5 r.p.m. <1000 r.p.m. (photo) 1.0 r.p.m. >1000 r.p.m. (photo) 0.1 r.p.m. (< 1000 r.p.m.) (stroboscope) 1.0 r.p.m. (> 1000 r.p.m.) (stroboscope)
Maximum distance	50 to 150 mm; max. 300 mm
Min Max Peak Hold	yes
Interface /data transfert	-
Software	-
PC requirements	-
Power	4 AA batteries (1.5V)
Enclosure	ABS plastic
Dimensions	65 x 215 x 38 mm
Weight	300 g



Optical measurement of rotation

Contents

PCE-T259 Tachometer, reflective marking tape (600mm), carrying case and user's manual

Model No.	Description
PCE-T259	Stroboscope and tachometer

Optional accessories

REFB	Reflective marking tape (500mm roll)
CAL-DS	ISO Certificate (for stroboscope function)
CAL-DT	ISO Certificate (for tachometer function)