

# FIXED LED STROBOSCOPE

PCE-LES 400-ICA



- » **frequency: 50 ... 36000 FPM**
- » **doubling/division of FPM**
- » **light source 20 LEDs**
- » **2.4" LC display**
- » **flash frequency units: FPM, Hz, m/min**
- » **illuminance: 1590 Lux @ 36000 FPM / 10 cm**
- » **phase shift: 0 ... 359 °**
- » **flash duration 1 ... 3 %, max. 100µs**
- » **trigger input**
- » **incl. ISO-Calibration Certificate**

A fixed LED stroboscope is a device for permanent installation that generates rapid flashes of light with energy-efficient and long-lasting LEDs. With a wide measurement range of 50 ... 36,000 FPM, a high resolution of 0.1 FPM and an accuracy of 0.01%, it offers precise and reliable measurements.

Our fixed LED stroboscope can be triggered both internally and externally and supports four external trigger modes. The sensor supply is 12 V and 50 mA with a minimum pulse width of 20 µs. The flash duration varies between 1 and 3 % of the period with a maximum duration of 100 µs. A phase shift of 0 ... 359° can be set and this enables flexible adaptation to different requirements. With an illuminance of 1590 lux at 36,000 FPM and a light source consisting of 20 LEDs, this fixed LED stroboscope produces intense and clear flashes of light. The 2.4-inch LC display ensures user-friendly operation.

## Specification

### Frequency

Measurement range up to 50 ... 36000 FPM

Resolution 0,1 FPM

Accuracy  $\pm 0.01$  % of Rd

### Frequency

Measurement range up to 1 ... 600 Hz

Resolution 0,01 Hz

Accuracy  $\pm 0.01$  % of Rd

### General technical data

Units Hz, f/m, m/min

Display type Graphic LCD

Display size 2,4 Inch

Luminous intensity 1590 Lux @ 36000 FPM / 10 cm

Phase shift 0 ... 359 °

Pulse width Flash duration 1 ... 3 %, max. 100  $\mu$ s

Light source 20 LED's

Trigger input greater than + 2.5 V peak, 20  $\mu$ s min. Pulse width  
Sensor supply: 12 V, 50 mA

Menu language English, Chinese

Protection class (device) IP20

Power supply 220 V AC | 50Hz

Connector type Schuko plug

Operating conditions 0 ... 50 °C , 0 ... 95 % RH

Storage conditions 0 ... 50 °C , 0 ... 95 % RH

Dimensions ( L x W x H ) 150 x 115 x 130 mm

Weight 1280 g