TACHOMETER-STROBOSCOPE

PCE-T 260-ICA



- **Easy to handle**
- **Powerful LEDs**
- **Non-contact temperature measurement**
- **Temp. measurement with sensor type K o. PT 1000**
- **Robust ABS plastic housing**
- **5-digit 10 mm LCD display**
- **Last measured value, min / max memory**
- **Red strobe light**
- **incl. ISO-Calibration Certificate**

The combined tachometer-stroboscope is a measuring device for use in maintenance and production. In addition to the stroboscope function, the tachometer-stroboscope is also able to mesure temperature by an infrared beam. Thus, the tachometer-stroboscope is ideal for testing the rotational speeds and temperatures of centrifuges, motors, fans, and many other machines and systems used in industry and research. The special feature is the combination of these measurement parameters in a single housing.

The tachometer-stroboscope has a measuring range of 0.5 ... 99.990 rpm, and the IC circuit in conjunction with a bright red LED lamp ensure the device has a low power consumption and is almost maintenance-free. The setting for the tachometer-stroboscope is made by means of a push button (for coarse and fine adjustment). The tachometer-stroboscope also enables the contactless measurement of the rotational speed from 0.5 to 99.990 rpm with a resolution of up to 0.5 (at n <1000 rpm).

Specification

Mechanical speed	
Measuring range	0,5 ... 999 U/min
Resolution	0,5 U/min
Accuracy	±(0.05% ± 1 digit)
Mechanical speed	
Measuring range	1000 ... 19999 U/min
Resolution	1 U/min
Accuracy	±(0.05% ± 1 digit)
Speed optical	
Measuring range	5 ... 999 U/min
Resolution	0,5 U/min
Accuracy	±(0.05% ± 1 digit)
Speed optical	
Measuring range	1000 ... 99999 U/min
Resolution	1 U/min
Accuracy	±(0.05% ± 1 digit)
Pt Temperature	
Measuring range	-10 ... +70 °C
Resolution	0,1 °C
Accuracy	±1.2°C
Type K temperature	
Measuring range	-100 ... -50 °C
Resolution	0,1 °C
Accuracy	±(0.4% + 1°C / 1.8°F)
Type K temperature	
Measuring range	-50 ... +1300 °C
Resolution	0,1 °C
Accuracy	±(0.4% +0.5°C / 0.9°F)
Infrared temperature	
Measuring range	-30 ... +305 °C
Resolution	0,5 °C
Accuracy	±3% or ±3°C / 5.4°F
Stroboscope	
Measuring range	100 ... 999 FPM
Resolution	0,1 FPM
Accuracy	±(0.1% ± 2 digits)
Stroboscope	
Measuring range	1000 ... 30000 FPM

General technical data	
Display Typ	LCD
Storage medium	Internal memory
Storage information	Saves the last value, MIN, and MAX.
Interface	RS232
Operating time Additional information	If the battery voltage is too low, a battery symbol appears on the display.
Measurement Spot	3:1
Light source	Blitzlampe: 3 x LED (rot)
Emissivity	0,95
Spectral range	6 ... 14 µm
Measuring distance	50 ... 300 mm
Menu language	English (US), English (GB)
Protection class (device)	IP20
Power supply	Power supply: 9V DC
Battery/battery	4 x 1,5 V AA Battery (1,5V) , Alkali-Manganese
Battery capacity	3000 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 %RH
Storage conditions	0 ... 50 °C , 0 ... 80 %RH
Dimensions (L x W x H)	207 x 67 x 39 mm
Weight	322 g

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com

Resolution	1 FPM
Accuracy	±(0.1% ± 2 digits)
Stroboscope	
Measuring range	30001 ... 50000 FPM
Resolution	5 FPM
Accuracy	±(0.1% ± 2 digits)
Stroboscope	
Measuring range	50001 ... 99990 FPM
Resolution	1 FPM
Accuracy	±(0.1% ± 2 digits)