



PCE Americas Inc.  
711 Commerce Way  
Suite 8  
Jupiter  
FL-33458  
USA  
From outside US: +1  
Tel: (561) 320-9162  
Fax: (561) 320-9176  
info@pce-americas.com

PCE Instruments UK Ltd.  
Units 12/13  
Southpoint Business Park  
Ensign way  
Hampshire / Southampton  
United Kingdom, SO31 4RF  
From outside UK: +44  
Tel: (0) 2380 98703 0  
Fax: (0) 2380 98703 9  
info@pce-instruments.com

[www.pce-instruments.com/english](http://www.pce-instruments.com/english)  
[www.pce-instruments.com](http://www.pce-instruments.com)

## Technical Tachometer PCE-T 260

**Tachometer PCE-T 260 with Optical & Contact speed measurement /  
Temperature measurement with IR, PT 1000 or Type K sensors  
/ Robust ABS housing / RS232 interface / Storage of the last measured value as well as Min.  
and Max. memory**

The combined tachometer-stroboscope is a measuring device for use in maintenance and production. In addition to the stroboscope function, the tachometer-stroboscope also has the option of removing the rotational contacts and measuring temperatures. 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). When setting the speed measurement, the display is rotated by 180 ° so that the values can be easily read.

For temperature measurement with the tachometer-stroboscope, you can carry out the measurement by infrared contactless as well as with temperature sensor type K or PT 1000. The RS 232 interface allows the measured values to be displayed or logged directly on a PC with the corresponding software.

- easy to handle
- powerful LEDs
- non-contact temperature measurement
- temp. measurement with sensor type K or PT 1000
- robust ABS plastic housing
- 5-digit 10 mm LCD display
- last measured value, min / max memory
- red strobe light

### Technical Data of Tachometer Stroboscope PCE-T 260 Optical Tachometer

Measuring range	5 ... 99999 U/min
Resolution	0.5 U/min (< 1000 U/min) 1 U/min (>1000 U/min)
Accuracy	±0.05 % + 1 Digit
Distance to the measuring object	50 ... 150 mm max. 300 mm (depending on ambient light)

### Technical Data of Tachometer Stroboscope PCE-T 260 Contact Tachometer

Measuring range	0.5 ... 19999 U/min
Resolution	0.5 U/min (< 1000 U/min) 1 U/min (>1000 U/min) 0.05 m/min (<100 m/min) 0.1 m/min (>100 m/min)
Accuracy	±0.05 % + 1 Digit

### Technical Data of Tachometer Stroboscope PCE-T 260 Stroboscope

Measuring range	100 ... 99990 FPM
Resolution	0.1 FPM (< 1000 FPM) 1 FPM (1000 ... 30000 FPM) 5 FPM (30000 ... 50000 FPM) 1 FPM (50000 ... 99990 FPM)
Accuracy	±0.1% + 2 Digit
Flash lamp	3 x LED (red)

### Technical Data of Tachometer Stroboscope PCE-T 260 Temperature Type K

Measuring range	-100 ... +1300 °C
Resolution	0.1 °C
Accuracy (device only)	±0.4% + 1 °C (-100 ... -50 °C) ±0.4% + 0.5 °C (-50 ... 1300 °C)

### Technical Data of Tachometer-Stroboscope PCE-T 260 Temperature PT 1000

Measuring range	-10 ... 70 °C
Resolution	0.1 °C
Accuracy (device only)	±1.2 °C

### Technical Data of Tachometer-Stroboscope PCE-T 260 Temperature IR

Measuring range	-30 ... 305 °C
Resolution	0.5 °C
Accuracy	±3 % or ±3 °C
Emissivity	0.95 fixed
Spectral range	6 ... 14 µm
Optical resolution	3:1

#### **General Specifications of Tachometer Stroboscope PCE-T 260**

Display	5 Digits LCD
Interface	RS 232
Power supply	4 x 1.5 V AA (UM-3) / Power supply DC 9 V
Power consumption	ca. 52 mA
Environmental conditions	0 ... +50 °C < 80 % rH.
Memory	Last value, Min, Max
Dimensions	207 x 67 x 39 mm
Weight	255 g without batteries

#### **Delivery contents:**

- 1 x Tachometer PCE-T 260
- 1 x measuring adapter
- 2 x measuring tip (internal and external cone)
- 1 x measuring wheel
- 1 x reflective tape (600 mm)
- 1 x carrying case
- 1 x instruction manual