HANDHELD TACHOMETER

PCE-T 240



- **Battery and mains power adapter**
- **Strobe for speed determination**
- **Contact and optical measurement**
- **Measuring range 0.5 ... 99,999 RPM contact**
- **Temperature measurement in °C and °F**
- **Various attachments**

The handheld tachometer has a contact speed measurement. The measuring range of the contact speed measurement with the handheldtachometer is 0.5 ... 99,999 RPM. In order to transmit the speed to the handheldtachometer, the scope of delivery includes two rubber measuring tips with an inner and an outer cone. In the case of contact measurement with the handheldtachometer, the speed can also be determined in m/min, for example, using the measuring wheel.
In addition to the contact measurement, the speed can also be measured optically with the handheldtachometer. To do this, a piece of reflective tape measuring 1 x 1 cm is glued to the test object. The handheldtachometer can determine the speed through the reflection.
In addition, the speed can be determined from the handheldtachometer using the strobe function. With this function, many flashes follow one after the other from the handheldtachometer. The flash frequency can be doubled or halved for quick setting of the flash frequency on the handheldtachometer. The speed with the stroboscopic function on the handheldtachometer is then determined as soon as the test specimen can be seen continuously and standing upright through the flash.
In addition to measuring the number of revolutions and speed, the temperature can be determined with the handheldtachometer. Any type K thermocouple can be connected for this purpose.

Specification

Mechanical speed	
Measuring range	0,5 ... 999 RPM
Resolution	0,5 RPM
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	1000 ... 19999 RPM
Resolution	1 RPM
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	0,05 ... 99,99 m/min
Resolution	0,05 m/min
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	100 ... 1999,9 m/min
Resolution	0,1 m/min
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	0,2 ... 999,9 ft/min
Resolution	0,1 ft/min
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	1000 ... 6561,4 ft/min
Resolution	1 ft/min
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	2 ... 999,9 in/min
Resolution	0,1 in/min
Accuracy	±(0.05% v.M.w. +1 Digit)
Mechanical speed	
Measuring range	1000 ... 78736,2 in/min
Resolution	1 in/min
Accuracy	±(0.05% v.M.w. +1 Digit)
Optical speed	
Measuring range	5 ... 999 RPM
Resolution	0,5 RPM
Accuracy	±(0.05% v.Mw. +1 digits)
Optical speed	
Measuring range	1000 ... 99999 RPM

General technical data	
Measuring functions	MIN, MAX, HOLD
Display type	LCD
Display size	2,2 Inch
Interface	RS232
Automatic power-off	10 min
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	9V DC, 100 mA
(Rechargeable) battery	4 x 1,5 V AA battery , Alkali-manganese
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	230 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk

Resolution	1 RPM
Accuracy	±(0.05% v.Mw. +1 digits)
Type K temperature	
Measuring range	-100 ... -50,1 °C
Resolution	0,1 °C
Accuracy	±(0.4% v.Mw. +1°C)
Type K temperature	
Measuring range	-50 ... +1300 °C
Resolution	0,1 °C
Accuracy	±(0.4% v.Mw. +0.5°C)
Type K temperature	
Measuring range	-148 ... -58,1 °F
Resolution	0,1 °F
Accuracy	±(0.4% v.Mw. +1.8°F)
Type K temperature	
Measuring range	-58 ... +2372 °F
Resolution	0,1 °F
Accuracy	±(0.4% v.Mw. +1°F)
Stroboscope	
Measuring range	100 ... 999 RPM
Resolution	0,1 RPM
Accuracy	±(0.1 % of Rd +2 digits)
Stroboscope	
Measuring range	1000 ... 29999 RPM
Resolution	1 RPM
Accuracy	±(0.1 % of Rd +2 digits)
Stroboscope	
Measuring range	30000 ... 49999 RPM
Resolution	5 RPM
Accuracy	±(0.1 % of Rd +2 digits)
Stroboscope	
Measuring range	50000 ... 99990 RPM
Resolution	10 RPM
Accuracy	±(0.1 % of Rd +2 digits)
Temperature sensor	
Measuring range	-10 ... +70 °C
Resolution	0,1 °C
Accuracy	±1.2°C
Temperature sensor	

Measuring range	14 ... 158 °F
Resolution	0,1 °F
Accuracy	± 2.2°F

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk