



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 Thickness Gauge PCE-CT 40

### PCE-CT 40 Thickness Meter

*Digital, electronic mil gage, paint gauge or tester for non-destructive measurement of nonmagnetic coating, insulating layer and dry film thickness (DFT) on only ferrous metal substrates*

PCE-CT 40 is a digital, electronic mil gage, paint gauge or tester that takes non-destructive measurements of nonmagnetic coating, insulating layer and dry film thickness (DFT) on **only ferrous** metal substrates such as steel. Ideal for surface testing, automotive paint inspection, material testing and manufacturing quality control applications, this thickness meter is designed to measure layers of paint, ink, plastic, chrome, copper, zinc, enamel, paper, glass, rubber and similar materials.

- Features an internal sensor with v-groove interface for reliable measurement on curved surfaces such as axles
- Comes with a set of calibration standards
- Allows for automatic or manual shut off

### Technical specifications

Measurement range	0 to 5000 $\mu\text{m}$ respectively 0 to 200 mils (selectable)
Measurement values	from 0.0 to 999 $\mu\text{m}$ from 1.00 to 5.00mm
Measuring on	only ferrous 0.1 $\mu\text{m}$ in the range 0.0 to 99.9 $\mu\text{m}$ 1 $\mu\text{m}$ in the range 100 to 999 $\mu\text{m}$ 0.01 mm in the range 1.00 to 5.00 mm
Resolution	5.00 mm respectively 0.01 mils in the range 0.00 to 9.99 mils 0.1 mils in the range 10.0 to 99.0 mils

	1.0 in the range 100 to 200 mils
Accuracy of repeat measurements	$\pm(1\mu\text{m} + 2\%)$ of 0 to 999 $\mu\text{m}$ $\pm 3.5\%$ of 1001 to 5000 $\mu\text{m}$
Minimum area of measurement	10 x 10mm
Minimal radial curvature	convex: 5 mm; concave: 30mm
Minimum base material thickness	type F: 0.2mm type N: 0.05mm
Display	LCD with 4 digits
Operating temperature	0 to 60°C
Power	9V battery (included)
Dimensions	118 x 58 x 38mm
Weight	150g with battery

### **Delivery contents**

- 1 x PCE-CT 40 thickness meter
- 1 x set of calibration standards
- 1 x carrying case
- 1 x 9 V battery
- 1 x user manual