



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
www.pce-instruments.com

Technical Thickness Gauge PCE-CT 50

PCE-CT 50 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 non-ferrous metal substrates

PCE-CT 50 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 non-ferrous metal substrates such as aluminum. 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 μm respectively 0 to 200 mils (selectable)
Measurement values	from 0.0 to 999 μm from 1.00 to 5.00mm
Measuring on	only non-ferrous metals 0.1 μm in the range 0.0 to 99.9 μm 1 μm in the range 100 to 999 μm 0.01 mm in the range 1.00 to 5.00 mm
Resolution	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 μm $\pm 3.5\%$ of 1001 to 5000 μm
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 50 thickness meter
- 1 x set of calibration standards
- 1 x carrying case
- 1 x 9 V battery
- 1 x user manual