THICKNESS GAUGE

PCE-CT 65



- **Includes calibration shims and blocks for DIY accuracy testing, a carrying**
- **case for easy transport, and a 2-year warranty against manufacturer defects**
- **Optional ISO calibration certificate available for purchase separately - see**
- **accessories tab for details**
- **Features two measuring modes (ferrous and non-ferrous) with integrated**
- **sensors for comfortable, one-handed operation**

PCE-CT 65 is a thickness gauge that uses magnetic induction (ferrous) or eddy current (non-ferrous) to take non-destructive measurements of coating and dry film thickness (DFT) on metal substrates such as steel and aluminum. This thickness gauge is ideal for painted and powder-coated surface testing, automotive paint inspection, coated material testing, and manufacturing quality control applications.

The easy-to-use downloadable PC-compatible software included with this thickness gauge allows for detailed analysis of measurement results via computer. Measurement values are shown in a table and different working modes can be selected for data filtering. Statistics include the maximum, minimum and average value per working group. Statistics can be divided by ferrous and non-ferrous material. The software also counts how many readings have been stored in each material group. For more details, please refer to the user manual.

Specification

Layer thickness	
Measuring range	0 ... 100 µm
Resolution	0,1 µm
Accuracy	±(2.5%; ±2 µm)
Layer thickness	
Measuring range	100 ... 1000 µm
Resolution	1 µm
Accuracy	±(2.5%; ±2 µm)
Layer thickness	
Measuring range	1000 ... 1350 µm
Resolution	0,01 µm
Accuracy	±3.5%
Layer thickness	
Measuring range	0 ... 10 mil
Resolution	0,01 mil
Accuracy	±(2%; ±0.08 mils)
Layer thickness	
Measuring range	10 ... 53,1 mil
Resolution	0,1 mil
Accuracy	±3.5%
Sensor	
Battery type	Magnetic mode (Fe)
Min. measuring surface	Ø7 mm
Min. layer thickness	0.5 mm
Min. radius of curvature convex	1.5 mm
Min. radius of curvature concave	1.5 mm
Sensor	
Battery type	Eddy current mode (NFe)
Min. measuring surface	5 mm
Min. layer thickness	0.3 mm
Min. radius of curvature convex	3 mm
Min. radius of curvature concave	3 mm

General technical data	
Units	µm, mils
Display type	LCD with backlight
Display size	1,5 Inch
Storage medium	Internal memory
Memory information	30 memory groups with a capacity of 50 measured values each
Interface	Micro-USB
Automatic power-off	45 s
Calibration	Zero point
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	2 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 40 °C , 20 ... 90 % RH
Storage conditions	0 ... 40 °C , 20 ... 90 % RH
Dimensions (L x W x H)	115 x 53 x 26 mm
Weight	91 g