Data Sheet
Coating thickness gauge

PCE-CT 65

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Coating Thickness Tester PCE-CT 65 (F/NF)

Combined Coating thickness tester for capture of the thickness of coating, plastic…/ measuring of steal/iron (F) and non-ferrous objects (NF) / single or permanent measurement / non-destructive measurement

Our coating thickness tester is an instrument manufactured for nondestructive measurements of coating thickness. In this aspect, the coating thickness tester stands out with its wide measuring range, two measuring modes and its memory (30 groups with 50 measurements each). They are indispensable for control measurement concerning production, car workshops and quality assurance in general. A coating thickness tester is essential for engineers in the coating and paint sector. The coating thickness tester is ideal to detect accidental damages or to avoid damages in advance. That is why coating thickness testers are made for automotive experts. But it is furthermore important for the industrial sector concerning input and output controls as well as material inspections.

Our coating thickness tester is ergonomically designed, has an integrated measuring sensor and is very easy to handle. The coating thickness tester makes it possible to determine measurements instantly and with high accuracy. Because of its high measuring range, a coating thickness tester is also appropriate for the inspection of paint coatings in the sector of railings and shipbuilding.

- for ferrous and non ferrous metals
- immediately ready for measurement
- large measurement range
- memory for up to 1500 measurements
- two measurement modes
- comfortable single-hand navigation
- delivered with carry case
- calibration plates for checking the accuracy

Technical specifications of the coating thickness tester PCE-CT 65
ferrous metals

Functional principle	Magnetic induction
Measuring range	0 ... 1350 µm 0 ... 53.1 mils
Accuracy	0 ... 1000 µm: ± (2.5 %; ± 2 µm) 1000 ... 1350 µm: ± 3.5 % 0 ... 39,3 mils: ± (2 %; ± 0.08 mils) 39.3 ... 53.1 mils: ±3.5 %
Resolution	0 ... 100 µm: 0,1 µm 100 ... 1000: 1 µm 1000 ... 1350: 0,01 mm 0 ... 10 mils: 0,01 mils 10 ... 53,1 mils: 0,1 mils
Smallest measured surfaces	Ø 7 mm
Smallest curvature radius	1.5 mm
minimum thickness carrier material	0.5 mm

non-ferrous metals

Functional principle	Eddy current
Measuring range	0 ... 1350 µm
Accuracy	0 ... 1000 µm: ± (2.5 %; ± 2 µm) 1000 ... 1350 µm: ± 3.5 % 0 ... 39.3 mils: ± (2 %; ± 0.08 mils) 39.3 ... 53.1 mils: ±3.5 %
Resolution	0 ... 100 µm: 0.1 µm 100 ... 1000: 1 µm 1000 ... 1350: 0.01 mm 0 ... 10 mils: 0.01 mils 10 ... 53.1 mils: 0.1 mils
Smallest measured surfaces	Ø 5 mm
Smallest curvature radius	3 mm
minimum thickness carrier material	0.3 mm

General specifications for coating thickness tester PCE-CT 65

Units	µm, mils
Functions	alarm function, backlight display, automatic shutdown, calibration mode, memory
Storage possibility	30 groups with a capacity of 50 measurements each
Interface	USB
Operating conditions	0 ... +40°C / 20 ... 90 % r.h.
Power	2 x 1.5 V AAA batteries

Software of the coating thickness tester PCE-CT 65

In the delivery content of the coating thickness tester is a software to transfer the measured data onto your computer. This is an easy to use software, what gives you also comprehensive information from the measurements. The groups can be transferred on its own, partial or full. After transferring them each group can be selected. Also the full series with the slots, material characteristics (ferrous or non-ferrous) and the material thickness will be shown in a chart. On top of it the software gives the information how many measurements are saved in the group, which maximum and minimum value the group has and the average value of the measurements. The software shows how many measurements are taken on ferrous and non-ferrous material. Further information can be found in the manual.

Delivery content of the coating thickness Tester PCE-CT 65

1 x coating thickness tester PCE-CT 65, 1 x carry case, 2 x 1.5 AAA batteries, 1 x evaluation software, 2 x calibration plates (aluminum and iron), 1 x USB cable, 1 x manual