



Coating Thickness Gauge PCE-CT 65



PCE-CT 65 Coating Thickness Gauge

Non-destructive coating and dry film thickness (DFT) measuring device for use on ferrous and non-ferrous metal substrates

PCE-CT 65 is a coating 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.

- ▶ 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
- ▶ Saves up to 1500 measurements to memory
- ▶ Comes with a USB cable and downloadable PC software (see downloads tab) for detailed analysis of measurement results via computer

Subject to change

Specifications

Ferrous metals

Principle	Magnetic induction
Measuring range	0 ... 1350 μm / 0 ... 53.1 mils 0 ... 1000 μm : ($\pm 2.5\%$ $\pm 2\ \mu\text{m}$) 1000 μm ... 1350 μm : $\pm 3.5\%$
Accuracy	0 ... 39.3 mils: ($\pm 2\%$ ± 0.08 mils) 39.3 mils ... 53.1 mils: $\pm 3.5\%$ 0 ... 100 μm : 0.1 μm 100 μm ... 1000 μm : 1 μm
Resolution	in 1000 mm ... 1350 μm : 0.01 mm 0 ... 10 mils: 0.01 mils 10 mils ... 53.1 mils: 0 ... 1 mils
Smallest surface	\varnothing 7 mm / \varnothing 0.3 in
Min. curvature radius	1.5 mm / 0.05 in
Min. substrate thickness	0.5 mm / 0.02 in

Non-ferrous metals

Principle	Eddy current
Measuring range	0 ... 1350 μm / 0 ... 53.1 mils 0 ... 1000 μm : ($\pm 2.5\%$ $\pm 2\ \mu\text{m}$) 1000 μm ... 1350 μm : $\pm 3.5\%$
Accuracy	0 ... 39.3 mils: ($\pm 2\%$ ± 0.08 mils) 39.3 mils ... 53.1 mils: $\pm 3.5\%$ 0 ... 100 μm : 0.1 μm 100 μm ... 1000 μm : 1 μm
Resolution	in 1000 mm ... 1350 μm : 0.01 mm 0 ... 10 mils: 0.01 mils 10 mils ... 53.1 mils: 0 ... 1 mils
Smallest surface	\varnothing 5 mm / \varnothing 0.2 in
Min. curvature radius	3 mm / 0.1 in
Min. substrate thickness	0.3 mm / 0.01 in
Units	μm , mils
Functions	Alarm function, display lighting, automatic shutdown, calibration, memory function
Memory option	30 storage groups with a capacity of 50 measurements each = 1500 measurements total
Interface	USB
Environmental conditions	0 ... 40°C / 32° F ... 104°F, 20% ... 90% rh
Power supply	2 x 1.5V AAA batteries

More information

Manual



Software Manual



More product info



Similar products



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