



Coating Thickness Gauge PCE-CT 65 TOPSELLER



PCE-CT 65 Coating Thickness Gauge

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

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.

Specifications

Ferrous metals

Principle

Measuring range

Accuracy

Resolution

Smallest surface

Min. curvature radius

Min. substrate thickness

Non-ferrous metals

Principle

Measuring range

Accuracy

Resolution

Smallest surface

Min. curvature radius

Min. substrate thickness

Units

Functions

Memory option

Interface

Environmental conditions

Power supply

Magnetic induction

0 ... 1350 μm / 0 ... 53.1 mils

0 ... 1000 μm : ($\pm 2.5\%$ $\pm 2\ \mu\text{m}$)

1000 μm ... 1350 μm : $\pm 3.5\%$

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

in 1000 mm ... 1350 μm : 0.01 mm

0 ... 10 mils: 0.01 mils

10 mils ... 53.1 mils: 0 ... 1 mils

$\varnothing$ 7 mm / $\varnothing$ 0.3 in

1.5 mm / 0.05 in

0.5 mm / 0.02 in

Eddy current

0 ... 1350 μm / 0 ... 53.1 mils

0 ... 1000 μm : ($\pm 2.5\%$ $\pm 2\ \mu\text{m}$)

1000 μm ... 1350 μm : $\pm 3.5\%$

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

in 1000 mm ... 1350 μm : 0.01 mm

0 ... 10 mils: 0.01 mils

10 mils ... 53.1 mils: 0 ... 1 mils

$\varnothing$ 5 mm / $\varnothing$ 0.2 in

3 mm / 0.1 in

0.3 mm / 0.01 in

μm , mils

Alarm function, display lighting, automatic shutdown, calibration, memory function

30 storage groups with a capacity of 50 measurements each = 1500 measurements total

USB

0 ... 40°C / 32° F ... 104°F, 20% ... 90% rh

2 x 1.5V AAA batteries

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