



Data Sheet

Coating thickness gauge

PCE-CT 27FN

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Coating Thickness Gauge PCE-CT 27FN

Coating thickness gauge to test thickness on non ferrous-metal and ferrous-metal surfaces / with external sensor / extremely high measuring range

The PCE-CT 27FN coating thickness gauge is used to measure the coating thickness on metallic material. In this way coatings, paints, plastic and similar material can be checked. The coating thickness gauge is used to check measurements. The coating thickness gauge can be used in quality control and also in production to check work pieces.

The coating thickness gauge is especially suitable for the above application, because it works nondestructive and the samples can be used afterwards. In addition to the quality control the coating thickness gauge can also be used for the inspection of incoming goods.

The coating thickness gauge is build to measure the coating thickness of non magnetic coatings such as paint, plastic, chrome, copper, zinc, enamel, etc. on steel and iron. Also it is suitable to measure all insulating coatings such as paint, plastic, enamel, paper, glass, rubber, etc. on copper, aluminum, brass and stainless steel as well as anodizing on aluminum.

- F / N: also for non-ferrous metal
- immediately ready to measure
- wide measurement range
- probe for precise measuring results
- practical V-groove on the measuring head
- external probe
- measuring range: 0 ... 1250 μm
- with calibration standards

Technical specifications for coating thickness gauge

Measurement range	0 ... 1250 μm / 0 ... 50 mil
Resolution	0.1 μm / 0.1 mil
Accuracy	$\pm (2 \% + 2 \mu\text{m})$ / $\pm (2 \% + 0.1 \text{ mil})$
Dimensions	166 x 68 x 30 mm
Weight	180 g (incl. batteries)
Environmental conditions	-10 ... +50 °C
Power supply	2 x 1.5 V batteries

Here you can see the coating thickness gauge PCE-CT 27FN in use.



Here you can see the coating thickness gauge PCE-CT 27FN by checking of the paint thickness.



Here you can see the calibration of the coating thickness gauge



The probe of the coating thickness gauge has on the end a V-groove to take measurements on pipes and other cylindrical surfaces.

Scope of delivery of the coating thickness gauge

- 1 x PCE-CT 27FN thickness gauge
- 1 x probe
- 1 x carrying case
- 1 x batteries
- 1 x set of plastic plates
- 1 x set of calibration standards (Fe and NFe)
- 1 x manual

