

## Coating Analyzer PCE-CT 27

Combined Coating Analyzer / with especially high measurement ranges /  
Determining the coating thickness of lacquer, synthetics etc in steel, iron (F) and base metals

The coating analyzer PCE-CT 27 is an instrument for non-destructive measurement of coating thickness (lacquer, colors, synthetics... on steel / iron and nonferrous metals). Therefore the coating analyzer stands out due to its large measurement range. As an essential partner for control measurements, for example in areas of production, workshops and in areas of general quality control the coating analyzer PCE-CT 27 belongs into any basic equipment of a technician in areas of lacquer- and coating. The coating analyzer PCE-CT 27 is ideal to e.g. recognize damages from car accidents immediately, to prevent damages and also ideal as an additive for motor-vehicle experts. But even in the industrial area this coating analyzer is qualified for delivery checks as well as material analysis in areas of processing. The ergonomically designed coating analyzer with an integrated measurement sensor and simplified navigation allows a quick determination with highest accuracy. It is designed for measurements of non-magnetic coatings such as lacquers, synthetics, enamel, paper, glass, rubber etc. on copper, aluminum, brass and stainless steel as well as eloxal of aluminum. Due to a high measurement range, the coating analyzer PCE-CT 27 proves itself as a very efficient device to control the paintwork in areas of railing and ships painting. Another professional coating analyzer, but with external sensor, you will find [here](#). In case that you should have more questions regarding the coating analyzer PCE-CT 27, please read the following technical data, use our contact form or call us: **+44 (0) 2380 98703 0**. Our technicians and engineers will gladly advise you regarding the [coating analyzers](#) or all other products in the field of [Control Systems](#), [Laboratory Equipment](#), [Measuring Instruments](#) or [Scales and Balances](#) of [PCE Instruments Ltd.](#)





- F / N: for non-iron metal such as steel etc.
- Immediately ready for operation
- Large measurement range
- Measurement head for precise results
- For calibration standards, instruction manual
- Certification optional

- Handy V-nut at measurement heads
- Comfortable single-hand navigation
- ISO lab-calibration included
- Fully equipped including batteries
- Integrated measuring sensor
- Measurement range: 0 ... 1250  $\mu\text{m}$

### Technical specifications

Measurement range	0 ... 1250 $\mu\text{m}$
Resolution	0.1 $\mu\text{m}$ (in measurement range 0.0 ... 99.9 $\mu\text{m}$ ) 1 $\mu\text{m}$ (above)
Accuracy	$\pm 1 \dots 3 \%$ or 2.5 $\mu\text{m}$ (higher value valid)
Min. measurement range	6 x 6 mm
Min. curvature radius	F type convex. 1.5 mm / concave: 25 mm NF type convex. 3 mm / concave: 50 mm
Min. thickness of basic material	6 mm
Display	4-lines, 10 mm height of LC-Display
Surrounding temperature	0 ... +50 $^{\circ}\text{C}$
Power Supply	2 x 1.5 V Batteries
Dimensions	130 x 63 x 23 mm
Weight	140 g ( excl. batteries)

### Further images



Here you can see the coating analyzer PCE-CT 27 during analysis of lacquer at a spot with a normal thickness of the coating





At this spot you can determine by means of the coating analyzer PCE-CT 27 a higher lacquer thickness, which means that the car was repainted at this spot.

### Delivery Content

- 1 x coating analyzer PCE-CT 27
- 1 x F- / N sensor
- 1 x hard case
- 2 x batteries
- 1 x set of calibration standards
- 1 x instruction manual

- By means of the reference standards included in delivery you can easily verify the correct function of the coating analyzer. Therefore the coating analyzer needs to be placed on top of the foil. Please consider that the device needs to be set-up straight / flat.

Here you can see the sensor for the coating analyzer PCE-CT 27

- by means of this sensor you can measure the coating on metallic grounds
- the device is able to recognize whether it is iron or any other metal.



## Optional equipment

- ISO calibration certificate (for companies that want to admit the coating analyzer to their internal set of controlling equipment / either at initial order or even for annual recalibration, in order to confirm a high measurement accuracy).

