

Coating thickness gauge PT-200

Coating thickness gauge to measure the coating thickness / for non-metal substrates (wood, concrete, plastic,...) / available in two different models

The coating thickness gauge is designed to determine the coating thickness of non-metal substrates such as wood, plastic, concrete and other bases. This coating thickness gauge PT-200 operates without damaging the material. It measures all types of coatings on wood and building materials such as concrete, bricks and plaster as well as plastics by using ultrasonics. In addition to the thickness of coating layers, the coating thickness gauge PT-200 can determine layers of epoxy resin, strong gel on GFK and other carbon fiber materials or bonding material. This coating thickness gauge is a device for professionals in the specialized sector and in the industry sector as well as in research and development. Apart from the measuring function, this coating thickness gauge PT-200 has an internal memory that can store up to 100.000 values of layer thickness (depending on the model). With the USB and Bluetooth interface (depending on the model) and the software, computer data can be transmitted to a PC for further data analysis. The measuring values can be sent to other software such as MS Excel. If you have any questions concerning the thickness gauge PT-200, see the following technical data or contact us: **+44 (0) 2380 98703 0**. Our engineers and technicians will help you with the coating thickness gauge or on any other product in the field of [regulation and control](#), [measuring instruments](#) and [scales](#).



PT-200-S3 Advanced

- high-contrast colour-LCD
- graphical presentation in real-time
- scan function
- storage capacity of 100.000 measurements

PT-200-S1 Basic

- automatically and permanently self-calibrating
- easy menu navigation
- zero-point-mean for rough grounds
- display with background lighting

- renaming of the blocks possible
- export as xml or txt file
- USB mass storage
- Bluetooth interface
- photo upload and personalization
- cloud TM application at www.Positector.net
- reset-function
- quick measuring mode
- direct signaling of statistical values on display
- optical and acoustical warning function
- storage capacity for 250 measurements
- USB-interface for the data transfer

Technical specifications of the hand apparatus

Model	PT-200-S1 (Basic)	PT-200-S3 (Advanced)
Storage	250 values	100.000 values
Display	monochrome	LCD
Interface	USB	USB / Bluetooth

Technical data of the sensor

Measurement range	13 ... 1000 μm
Resolution	2 μm
Accuracy	$\pm 2 \mu\text{m} + 3 \%$ of the measured value
Minimum measurement surface	10 x 10 mm
Minimum radius of curvature	convex: 10 mm; concave: 100 mm
Software and cable data	for Win. '98, '2000, 'XP, 'ME (optional)
Statistics function	Yes
Environmental temperature	0 ... +50 $^{\circ}\text{C}$
Norm	ASTM-D6132 / ISO 2808
Power	3 x 1,5 V AAA battery (included)
Dimensions	146 x 64 x 31 mm /
Weight	165 g

Use of the PCE-PT 200 coating thickness gauge



The coating thickness gauge PT-200 during a measurement on a guitar.



With the coating thickness gauge it is possible to do measurements on different materials.





The coating thickness gauge is available in two different versions. In this picture you see the advanced one and above the basic one is shown.



With the advanced version of the coating thickness gauge PT-200 you have the opportunity to measure and save up to 100.000 values.

Delivery content of the coating thickness gauge:

1 x PCE-PT 200 coating thickness gauge with an external sensor, 1 x calibration standard, 1 x nylon carrying case, 1 x rubber holster with belt clip, 1 x coupling gel, 3 x AAA 1.5 batteries, user manual.

Optional components for the coating thickness gauge:

- Coupling Gel

Coupling gel tube is included in the delivery. If you plan to make a series of measurements we recommend to ask for more gel. We always recommend to use the coupling gel (to create a contact between the head and the part that has to be measured and to protect the surface sensor).



- ISO calibration

For companies that wish to incorporate the gauge to the ISO tools for the internal control of the company or annual recalibration that guarantees high-precision measurements.



Here you can find further similar products regarding 'Coating Thickness Gauges':

- [PCE-CT 26 Coating Thickness Gauge](#)

(Devices to determine the coating thickness on automobiles)



- [PCE-CT 28 Coating Thickness Gauge](#)

(To measure thickness of coatings on ferrous (F) and non-ferrous metals (N))





- [PCE-CT 30 Coating Thickness Gauge](#)
(Coating thickness meters for measuring coatings on steel or non ferrous metals)



- [DFT-FN Coating Thickness Gauge](#)
(To determine the thickness of iron /steel coating (Ftype) and not ferrous (N type))



- [PT-FN Coating Thickness Gauge](#)
(USB interface, iron /steel coating (Ftype) and not ferrous (N type))



Here you will find an overview of all the [measuring instruments](#) available at PCE Instruments.

