

COATING THICKNESS GAUGE

PCE-CT 1000



- » **Multi-layer measurements for up to 3 layers**
- » **Waveform display**
- » **Adjustable sonic velocity**
- » **21 preset materials**
- » **Continuous measurement possible**
- » **Internal memory for 999 data sets**
- » **IPS colour display**
- » **PC software and data export**

The coating thickness gauge works according to the pulse-reflection principle of ultrasonic measurement and delivers precise results for a wide range of materials. It is ideal for measuring coating thicknesses on non-metallic substrates, such as plastic parts, wood or glass, as well as for determining the thickness of metallic base materials and coatings.

Thanks to its multi-layer measurement function, the coating thickness gauge enables the precise analysis of complex material structures and multi-layer systems. The brilliant IPS color display ensures a razor-sharp display of all measured values, parameters and waveforms. The integrated waveform display allows precise control of the signal quality and thus contributes to the high measurement accuracy.

The sonic velocity can be individually adjusted to achieve optimum results for different materials. In addition, the coating thickness gauge has 21 preset materials that are ready for immediate use. Thanks to the continuous measurement function, larger areas can also be checked quickly and efficiently.

Another advantage of the coating thickness gauge is the internal memory for up to 999 data records, which can be used to easily document and later analyze measurement results. The stored data can be displayed directly on the device and, if required, conveniently read out, analyzed and exported in various formats using the PC software supplied.

The coating thickness gauge is therefore ideal for numerous applications.

Specification

Material thickness	
Measuring range	300 ... 14800 µm
Resolution	1 µm
Accuracy	±3% v.Mw. + 3 µm
Layer thickness	
Measuring range	13 ... 5500 µm
Resolution	1 µm
Accuracy	±3% v.Mw. + 3 µm
Sensor	
Battery type	Ultrasound
Frequency	15 MHz
Min. measuring surface	6 millimetres
Cable length	75 cm
Dimension	ø22 x 43

General technical data	
Display type	IPS
Display size	5 Inch
Display resolution	800x480 inch
Storage medium	Internal memory
Storage capacity	999 Data records
Interface	USB-C
Standard(s)	GB/T 37361-2019, JJF1126-2004
Automatic power-off from...to	1 ... 30 min.
Adjustable sound velocity	1000 ... 9999 m/s
Menu language	English, English (GB), Chinese
Protection class (device)	IP20
Power supply	5 V DC
Connector type	Euro plug
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion polymer battery
Capacity	4000 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	0 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	97 x 143 x 22 mm
Weight	371 g