

COATING THICKNESS GAUGE

PCE-CT 1000-ICA



- » **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**
- » **incl. ISO-Calibration Certificate**

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.

Specification

Material thickness	
Measurement range up to	300 ... 14800 µm
Resolution	1 µm
Accuracy	±3% v.Mw. + 3 µm
Layer thickness	
Measurement range up to	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.
Automatic power-off can be deactivated	Yes
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