

THICKNESS GAUGE

PCE-CT 28



- » **F / N:** for materials including iron, steel, aluminium, copper, brass and
- » **stainless steel**
- » **Instant results**
- » **Large measurement range**
- » **Vibrations do not influence readings**
- » **Elastic lined measuring head to ensure accurate results and prevent wear**
- » **The v-slot simplifies the measurement on round surfaces acting as a reference**
- » **or axis point**
- » **Can be operated comfortably with only one hand thanks to its design and**
- » **integrated sensor**
- » **Optional ISO calibration certificate**

The PCE-CT 28 Thickness Gauge for cars is for measuring the thickness of paint and plastic on ferrous or non-ferrous metals without damaging the coating's surface. The Thickness Gauge stands out due to its high range of measurement. This Thickness Gauge works excellently as a tool for technicians in areas of paint or lacquering such as in production, automotive body repair or quality control. The Thickness Gauge is particularly useful in detecting damage to vehicles produced by an accident, for preventing possible damage or as a toll in auto body repair. Also, in the industrial sector, this device is essential for quality control in shipping and receiving and during production. It is ergonomic with an integrated sensor and it shows results of measurements quickly and accurately. The Thickness Gauge was designed for non-magnetic coatings such as plastic, chrome, zinc, copper, etc. and insulation such as rubber, plastic, glass and paper over steel, iron, aluminium, brass and stainless steel. Thanks to its wide measurement range, the Thickness Gauge is ideal for the naval and metal industries.

Specification

Layer thickness	
Measuring range	0 ... 99,9 µm
Resolution	0,1 µm
Accuracy	±(2 % +2 µm)
Layer thickness	
Measuring range	100 ... 1250 µm
Resolution	1 µm
Accuracy	±(2 % +2 µm)
Sensor	
Battery type	Magnetic mode (Fe), Eddy current mode (NFe)
Measurable materials	Fe substrates such as: steel and iron NFe substrates such as: aluminium, brass and copper
Min. measuring surface	6 x 6 mm
Min. layer thickness	Fe: 0.3 mm NFe: 0.1 mm
Min. radius of curvature convex	5 mm
Min. radius of curvature concave	60 mm

General technical data	
Display type	LCD with backlight
Display size	2 Inch
Interface	RS232
Automatic power-off	50 s
Number of calibration points	0
Protection class (device)	IP20
(Rechargeable) battery	2 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 50 °C , 0 ... 90 % RH
Storage conditions	0 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	126 x 65 x 25 mm
Weight	96 g