

Surface Tester PCE-CT 24FN



Surface tester PCE-CT 24FN

Thickness gauge with statistics function / Limit alarm function / Mains (AC adaptor) and battery operation / Measuring range up to 1500 µm / Rechargeable battery / LC display / Calibration set included in delivery / Automatic shutdown / Graphic display

The thickness gauge PCE-CT 24FN is a mobile device for the fast and precise determination of eg ink layer thicknesses. With this thickness gauge layer thickness measurements on ferrous and non-ferrous metals can be performed. The measured value is displayed directly on the LC display of the thickness gauge. Thanks to the built-in memory of the thickness gauge and the advanced functions, statistics can be recorded. These statistics can be evaluated directly on the thickness gauge. When evaluating the recorded statistics in the thickness gauge, you can choose between a tabular and a graphical view.

The replaceable batteries can be recharged directly via the thickness gauge. Charging the batteries is possible via a USB port, for example via a computer. Even during the charging process, all functions of the thickness gauge are available. If the thickness gauge is not used, the meter will switch itself off automatically within the set time. This protects the batteries and ensures that the meter is ready for use the next time. Thus, the thickness gauge is also suitable for mobile use.

- ▶ Data memory for later evaluations
- ▶ Rechargeable batteries
- ▶ For ferrous and non-ferrous metals
- ▶ Alarm when limit value exceeded
- ▶ Statistics function for analyzing a test object
- ▶ Alignment sensor for turning the display
- ▶ Measuring range 0 ... 1500 µm
- ▶ Graphic representation of the measured values

Specifications

Measuring range	0 ... 1500 μm / 0 ... 59 mil / 0 ... 1.5 mm
Resolution	0.1 μm (at <100 μm) 1 μm (at > 100 μm) 0.001 mm 0.1 mil
Accuracy	$\pm 5 \mu\text{m}$ (at <150 μm) $\pm 3\% + 1 \mu\text{m}$ (at > 150 μm)
Smallest diameter (Fe)	12 mm
Smallest thickness (Fe)	0.5 mm
Curve wheel. minute (Fe)	Convex. 2 mm; concave: 11 mm
Smallest diameter (nFe)	50
Smallest thickness (nFe)	0.5 mm
Storage	100 groups of 15 readings each
Display	2.25 inch LC display
Ambient temperature	0 ... 50°C / 32 ... 122°F
Power supply (batteries)	3 x 1.2V AA Ni-MH 800 mAh
Power supply (power supply)	Primary: 100 ... 240V; 50/60 Hz; 0.45 A Secondary side: 5V DC; 1 A
Dimensions	70.3 x 38.6 x 149.59 mm / 2.8 x 1.5 x 5.9 in
Weight	Approx. 136.9 g / < 1 lb with batteries

Subject to change

