

Ultrasonic Thickness Gauges PCE-TG 150 F2.5



**Ultrasonic Thickness Gauges with data memory / Adjustable speed of sound /
Calibration reference mounted on the housing / Material thickness measurement up to 300 mm /
Limit alarm / Optional ISO calibration certificate**

The ultrasonic thickness gauges can measure material thicknesses up to 300 mm / 11.81". So that the material thickness of a wide variety of homogeneous materials can be measured, it is possible to store the corresponding speed of sound in the thickness meter. For materials such as steel, aluminum, zinc, silver and gold, the appropriate sound speeds are already stored in the device library. This means that the thickness meter can be used universally.

With the limit value function in the ultrasonic thickness gauges, individual maximum and minimum values can be stored. If the measured value of the test piece is outside the limits, the thickness meter signals this visually. If necessary, the signaling can also be done acoustically by the thickness meter in addition to the visual display. This is why the thickness meter is used, for example, in quality assurance and in incoming goods inspections.

The ultrasonic thickness gauges has a data memory on which the measured values can be recorded. After a measurement sequence, the stored measurement values can be analyzed directly on the thickness meter. The stored data are graphically displayed by the thickness meter. In addition, each individual measuring point can be approached and read in the graphics of the thickness meter. For a simplified analysis of the measured values, the average, the largest and smallest measured value is displayed on the thickness meter. The thickness meter can optionally be equipped with an ISO calibration certificate.

- ▶ Measured value memory
- ▶ Calibration reference on the housing
- ▶ Automatic shutdown
- ▶ Material thickness measurement up to 300 mm / 11.81"
- ▶ Battery status indicator
- ▶ Optionally with ISO calibration certificate

Specifications

Measuring range	1.20 ... 300.0 mm / 0.04 ... 11.81"
Resolution	0.01 mm at ≤ 99.99 mm 0.1 mm at ≥ 100.0 mm
Accuracy	± 0.5 % of measured value + 0.05 mm
Storage space	1500 measured values
Sensor	PCE-TG 2.5M
Probe frequency	2.5 MHz
Temperature range	-10 ... 60 °C / 14 ... 140 °F
Diameter	Ø12mm
Further specifications	
Adjustable speed of sound	1000 ... 9999 m/s
Smallest pipe diameter	Ø20 x 3 mm (steel)
Material library	15 memory locations
Calibration reference	4 mm
Display	2.4 inch TFT LCD color display with brightness adjustment
Power supply	3 x 1.5 V AA batteries
Automatic switch-off	switched off, 2, 5, 10, 30 minutes
Ambient conditions	0 ... 40 °C / 32 ... 104 °F, <90 % RH, non-condensing
Dimensions	163 x 82 x 38 mm / 6.4 x 3.2 x 1.5"
Weight	320 g / 11.2 oz

More information

Manual



More product info



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