THICKNESS METER

PCE-TG 150A HT



- **Measured value memory**
- **Calibration reference on housing**
- **Automatic switch-off**
- **Material thickness measurement up to 300 mm**
- **Battery status display**
- **Optional with ISO calibration certificate**

The material thickness gauge can measure material thicknesses up to 300 mm. To ensure that the material thickness of a wide variety of homogeneous materials can be measured, it is possible to store the corresponding sonic velocity in the material thickness gauge. For materials such as steel, aluminium, zinc, silver and gold, for example, the appropriate sonic velocities are already stored in the device library. This means that the material thickness gauge can be used universally.

Individual maximum and minimum values can be stored with the material thickness gauge's limit value function. If the measured value of the test specimen is outside the limits, the material thickness gauge signals this visually. If required, the material thickness gauge can also provide acoustic signalling in addition to the visual display. The ultrasonic testing device is therefore used in quality assurance and incoming goods inspection, for example.

The material thickness gauge has a data memory on which the measured values can be recorded. After a measurement process, the stored measured values can be analysed directly on the material thickness gauge. The stored data is displayed graphically by the material thickness gauge. In addition, each individual measuring point can be approached and read in the graphic of the material thickness gauge. To simplify the analysis of the measured values, the average, the largest and smallest measured values are displayed on the material thickness gauge.

Specification

Material thickness	
Measuring range	1,2 ... 99,99 mm
Resolution	0,01 mm
Accuracy	±0.5% of the measured value (of m.v.) +0.05 mm
Material thickness	
Measuring range	100 ... 300 mm
Resolution	0,1 mm
Accuracy	±0.5% of the measured value (of m.v.) +0.05 mm
Sensor	
Designation	PCE-TG-HT
Battery type	Ultrasound
Frequency	5 MHz
Temperature range	-10 ... 350 °C
Measurable materials	Steel, aluminum, zinc, silver, gold, metal, plastic, ceramic, glass, other homogeneous materials
Minimum diameter of pipes	30 mm
Additional description	Measurement of material thickness on hot components
Dimension	Ø 10 mm x 59.8 mm

General technical data	
Units	mm
Display Typ	TFT-Color Display
Display size	2,4 Inch
Storage medium	Internal memory
Storage capacity	1500 Values
Automatic shutdown adjustable	2 ... 30 min.
Adjustable speed of sound	1000 ... 9999 m/s
Menu language	English (US), Chinese
Protection class (device)	IP52
Battery/battery	3 x 1,5 V AA Battery (1,5V) , Alkali-Manganese
Battery capacity	3000 mAh
Performance	4,5 Wh
Operating conditions	0 ... 40 °C , 0 ... 90 %RH
Storage conditions	0 ... 40 °C , 0 ... 90 %RH
Dimensions (L x W x H)	168 x 87 x 35 mm
Weight	230 g