THICKNESS METER

PCE-TG 150A-ICA



- **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**
- **Measured value memory for 1500 values**
- **Calibration reference on housing**
- **Automatic switch-off**
- **Material thickness measurement up to 300 mm**
- **Battery status display**

The thickness gauge 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 gauge. 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 gauge can be used universally.

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

The thickness gauge has a data memory on which the measured values can be recorded.

Specification

Material thickness	
Measuring range	1 ... 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 5M10d
Battery type	Ultrasound
Frequency	5 MHz
Temperature range	-10 ... 60 °C
Measurable materials	Steel, aluminum, zinc, silver, gold, metal, plastic, ceramic, glass, other homogeneous materials
Minimum diameter of pipes	30 mm
Additional description	Standard probe for flat materials
Dimension	Ø 10 mm x 23.4 mm
Sensor	
Designation	PCE-TG 5M6d
Measuring range	1 ... 50 mm
Battery type	Ultrasound
Frequency	5 MHz
Temperature range	-10 ... 60 °C
Measurable materials	Steel, aluminum, zinc, silver, gold, metal, plastic, ceramic, glass, other homogeneous materials
Minimum diameter of pipes	20 mm
Additional description	Standard probe for flat materials
Dimension	Ø 6 mm x 25.3 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