

MATERIAL THICKNESS METER

PCE-TG 150A F25



- » **measured value memory**
- » **calibration reference on housing**
- » **automatic power off**
- » **material thickness measurement up to 300 mm**
- » **battery status display**
- » **optional ISO calibration certificate**

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

Individual maximum and minimum values can be saved using the material thickness meter's limit value function. If the measured value of the sample is outside the limits, the material thickness meter signals this visually. If required, the material thickness meter can also provide an acoustic signal in addition to the visual display. The material thickness meter is therefore used, for example, in quality assurance and incoming goods inspection.

The material thickness meter has a data memory in which the measured values can be recorded. After a measuring procedure, the saved readings can be analysed directly in the material thickness meter. The saved data is displayed as a graph on the material thickness meter. In addition, each individual measuring point can be approached and read in the graph of the material thickness meter. To simplify the analysis of the measured values, the average, the highest and lowest measured values are displayed on the material thickness meter.

Specification

Material thickness

Measurement range up to 1,2 ... 99,99 mm

Resolution 0,01 mm

Accuracy $\pm 0.5\%$ of Rd +0.05 mm

Material thickness

Measurement range up to 100 ... 300 mm

Resolution 0,1 mm

Accuracy $\pm 0.5\%$ of Rd +0.05 mm

Sensor

Designation PCE-TG 2.5M

Battery type Ultrasound

Frequency 2.5 MHz

Temperature range -10 ... 60 °C

Measurable materials Steel, aluminium, zinc, silver, gold, metal, plastic, ceramic, glass, other homogeneous materials

Minimum diameter of pipes 50 mm

Dimension \emptyset 12 mm x 28.3 mm

Additional description Thickness measurement of cast materials

General technical data

Units mm

Display type TFT colour display

Display size 2,4 Inch

Storage medium Internal memory

Storage capacity 1500 Values

Automatic power-off from...to 2 ... 30 min.

Automatic power-off can be deactivated Yes

Adjustable sound velocity 1000 ... 9999 m/s

Menu language English, Chinese

Protection class (device) IP52

(Rechargeable) battery 3 x 1,5 V AA battery , Alkali-manganese

Capacity 3000 mAh

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