THICKNESS METER

PCE-TG 300-N05/90



- **Large measuring range**
- **Various sensors available**
- **Battery operation**
- **Error and voids detection**
- **Internal measurement data memory**
- **Print via Bluetooth**

The PCE-TG 300-N05/90 is a thickness meterwith special sensors for various applications. In general, the wall thicknesses of all homogeneous materials can be measured with the thickness meter. For damping or scattering materials such as plastic or cast a special sensor is available. An angled 90° sensor also enables measurements at hard-to-reach measuring points. The speed of sound can be set freely on the thickness meter and thus adapted to a wide variety of materials.
The measured values are displayed directly on the easy-to-read TFT color display. Due to the internal memory, which can be read out via the optionally available software, different measuring points can be clearly stored. The non-destructive ultrasound measuring method enables the measurement even on end products. Thanks to the Echo-Echo working mode, even coated workpieces can be measured (only with PCE-TG 300-P5EE sensor).

Specification

Material thickness	
Measuring range	0,65 ... 600 mm
Resolution	0,01 mm
Accuracy	±0.04 mm H[mm] (<10 mm); ±0.4 % H[mm] (>10 mm); H refers to the material thickness of the workpiece
Sensor	
Designation	PCE-TG-N05/90
Measuring range	1 ... 600 mm
Battery type	Ultrasound
Frequency	5 MHz
Measurable materials	Metals, plastics, ceramics, epoxy resin, glass, and other homogeneous materials
Minimum diameter of pipes	20 mm
Additional description	Normal measurement
Dimension	Ø 10 mm

General technical data	
Units	mm, inch
Display type	TFT colour display
Display size	2,4 in
Storage medium	Internal memory
Storage capacity	10000 Values
Memory capacity (additional information)	Non-volatile memory
Interface	Bluetooth, Mini-USB
Operating time	100 h
Automatic power-off from...to	2 ... 10 min.
Adjustable sound velocity	1422 ... 6400 m/s
Menu language	German, English, French, Spanish, Italian
Protection class (device)	IP52
Power supply	batteries
(Rechargeable) battery	4 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Performance	4,5
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	-20 ... 70 °C , 0 ... 80 % RH
Dimensions (L x W x H)	185 x 97 x 40 mm
Weight	375 g

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