



Ultrasonic material thickness gauge PCE-TG 300-NO5-ICA

0208



Services

After sale services

Ordinary and extraordinary maintenance, installation, staff training, spare parts, calibration and calibration for measuring instruments.



Product description

Our PCE-TG 300-NO5-ICA ultrasonic material thickness gauge is an advanced and versatile solution for thickness measurements across a wide range of materials. With an extensive measurement range of up to 600 mm, this instrument is ideal for various homogeneous materials.

What sets the PCE-TG 300-NO5-ICA apart is its flexibility in using special probes designed to cover a range of measurement ranges. This allows for precise thickness measurements on any type of homogeneous material, including materials with damping or dispersion properties, such as plastic or cast iron. Additionally, thanks to a sensor with a 90° angle, measurements in hard-to-reach areas are possible.

The device also offers the freedom to adjust ultrasound velocity, ensuring accurate measurements regardless of the material you're working on.

Data reading is made easy with the TFT color screen, while the internal memory allows you to store values from different measuring points. Our thickness gauge uses a non-destructive ultrasonic measurement method, meaning it can be used on end products without causing damage. The double-echo mode even allows measurements through coated parts, making it even more versatile. Furthermore, we provide an ISO calibration report that includes calibration points at 5, 10, 20, 50, and 100 mm to ensure measurement accuracy.

Our thickness gauge is battery-powered and equipped with error and void detection, ensuring reliable results. We also offer the option to print data via Bluetooth (optional), making data management even more convenient. With various sensors available and a range of advanced features, our PCE-TG 300-NO5-ICA thickness gauge is the ideal choice for advanced and precise measurement applications.



General Features

Dimensions	Diameter Ø10 mm	Dimensions	185mm x 97mm x 40mm
Weight	375g	Resolution	0.1mm / 0.01mm / 0.001mm (adjustable)
Battery life	Continuous operation 100 hours	Range	1 ... 600 mm (steel)
Range	P-E: Pulse-echo mode 0.65 ... 600 mm (steel)	Range	E-E: Double eco mode 2.50 ... 100 mm
Calibration	Ultrasonic calibration, zero calibration, two-point calibration	Power	4 x 1.5V AA batteries
Measurements Units	mm / inch	Memory	Non-volatile for 100 data sets with 100 records each
Material	Measurable: Metals, plastic, ceramic, epoxy resin, glass and any homogeneous material	Measurement method	Pulse-echo (Pulse-echo, error and void detection)
Measurement method	Double-echo (Echo-echo, hides the thickness of the coating)	Precision	±0.04 mm H[mm] (less than 10 mm)
Precision	±0.4% H[mm] (greater than 10 mm);	Precision	±0.4% H[mm] (greater than 10 mm);