



Ultrasonic Transducers

Ultrasonic transducers are used in many branches of industry for non-destructive testing (NDT) of materials. Among other applications, they are used for the precise location of objects and the safe and reliable detection and assessment of defects.

The quality of an ultrasonic probe is largely in its invisible properties, such as **nominal frequency, bandwidth** and **oscillator diameter**. The stability of these parameters over a long period is a sign of the reliability of the ultrasonic transducer. In order to receive **identical echo signals** from the same reflector using several probes of the same type, the technical dimensions must be realised within very fine tolerances. The defined values are therefore determined using special measuring processes and systems.

The acoustic parameters are supplemented by application-specific properties, such as **temperature, pressure and resistance to environment**. Furthermore, our probes also stand out due to their modern design and excellent ergonomics.

With more than 20 years experience in the development and manufacture of ultrasonic transducers, we can guarantee a **high degree of reproducibility**. In order to guarantee lasting high-quality, each manufactured transducer undergoes a **strict quality control process** in order to test whether the measurement values attained by the probe lie within our predefined tolerance limits. Only those products that satisfy our strict quality standards are approved for sale.

Depending on intended application, we develop and manufacture **customer-specific solutions** using the following products:

- Phased-array probes
- Multi-element transducers
- Piezo-composite transducers
- Focus transducers
- Air ultrasonic transducer

Ultrasonic transducers for the measurement of flow rates and fill levels
Probes for non-destructive testing (NDT)

Detailed Product Information



SONOSCAN Straight Beam Probes

Robust Pulse-Echo Probes



SONOSCAN Dual-Element Probes

Dual Element Probes with two separated elements



SONOSCAN Angle Beam Probes

For weld inspection



SONOSCAN Immersion Probes

for partially and fully automated testing



SONOSCAN CF Air-Coupled Probes

For contact free testing with air-coupled ultrasound

DO YOU HAVE ANY QUESTIONS?



Then contact us! We're here to help.

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