



Sheet Metal Inspection

# ULTRASONIC TRANSDUCERS

MADE IN GERMANY

Ultrasonic Transducers

# Ultrasonic Testing of Volume Defects and Thickness Tolerances

Sheet metals are used for constructions in a broad range of industries such as ship building, mechanical and plant engineering, and aircraft construction. For quality assurance, this material is tested for volume defects and thickness tolerances. These tests are usually carried out by automatic test systems.

Our transducers are used in various testing methods: in inline inspections, where the sheets

are transported above or below the ultrasonic transducers, or in offline inspections, where thick sheets are examined using scanning ultrasonic probes.

- **Fully integrable, robust piezo-composite probes**
- **Outstanding reproducibility**
- **Excellent acoustic properties**
- **For sheets more than 350 mm**

Example of Customized Transducers	Center Frequency	Transmitter/ Receiver Elements	Optimized for Sheet Thicknesses	Connector Type	Housing Material
	4 MHz	3/3	>50 mm	Customer-Specific	Brass
	5 MHz	1/1	Up to 40 mm	Lemo S Series	Nickel-Plated Brass
	5 MHz	1/1	Up to 40 mm	Lemo O Series	Brass
	5 MHz	1/3	Up to 50 mm	Customer-Specific	Stainless Steel

The temperature range for all transducers is the same:  
 Operation: +5 to +40 °C  
 Storage: -20 to +70 °C

## Ultrasound Is Our Strength

SONOTEC is a leading specialist in ultrasonic measurement technology solution based in Halle (Saale), Germany, with more than 25 years of experience in the development and manufacturing

of transducers for sheet metal testing. As a global technology leader, we offer first-class measurement performance, excellent product quality and outstanding service to our customers.

### Contact and Support

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