

# Portable Ultrasonic Flaw Detector with 50 Channels

This portable ultrasonic flaw detector is designed for non-destructive testing to identify internal material flaws. It features 50 independent detecting channels, each with separate detecting parameters and DAC curves.



## Product Overview

### Professional Ultrasonic Flaw Detector

The TUD500 is a high-performance portable ultrasonic flaw detector designed for precise non-destructive testing in industrial environments. It features a high-resolution 640x480 VGA display with a 60Hz update rate, ensuring clear visualization of A and B scanning modes. With 50 configurable channels, integrated DAC/AVG/DGS evaluation curves, and advanced data management via USB, it offers a comprehensive solution for detecting and assessing internal material flaws.

## Technical Specifications

Display Resolution	640x480 VGA
Horizontal Linearity	0.1 %
Vertical Linearity	2 %
Waveform Storage	1000

## Detection Capabilities

### Detecting Modes

- Single-probe
- Dual crystal probe
- Transmission

Scanning Modes	A-Scan, B-Scan
Evaluation Tools	DAC, AVG, DGS

## Connectivity & Workflow

Communication	USB Interface, PC Software Analysis, EPSON Printer Support
Detecting Channels	50