Ultrasonic Flaw Detector

This ultrasonic flaw detector presents waveforms in positive half-wave, negative half-wave, full wave, and radio frequency. It features automatic gain adjustment, defect equivalent calculation, and peak memory function.

Overview

Professional Ultrasonic Flaw Detection

The TUD310 is a high-performance, portable ultrasonic flaw detector designed for precise non-destructive testing of materials. It features advanced digital signal processing to minimize noise and ensure stable waveform analysis, making it ideal for detecting internal discontinuities. With 32 customizable detection channels and automatic DAC curve formation, it offers both simplicity for routine tasks and advanced functionality for complex inspection requirements.

Technical Specifications

Detection Modes	Single-probe, Dual crystal probe, Transmission
Waveform Presentation	Positive half-wave, Negative half-wave, Full wave, Radio frequency
Scanning Modes	A-scan, B-scan

Performance Metrics

Memory Capacity

32 MB	1000 records
Total Memory	Echo Data Sets

Detection Channels	32 channels

Connectivity and Management

PC Interface	USB
External Printing	Compatible with EPSON ink-jet printers

Standard Package

Standard Delivery Contents

Item	Quantity
Main unit	1
Power adaptor	1
Neck strap	1
Cable for probe	2
Straight probe (2.5MHz, Ø20)	1
Angle probe (5MHz, 8×9K2)	1
Couplant	1
Flash disk	1