

AMDATA IntraSound UT System

Introduction

IntraSound UT System is a new DSP based UT Inspection device manufactured by WesDyne NDE Products & Technology. The system can be used as a single channel UT system or as a UT Transducer Certification station. Any motion control system which generates TTL compatible sync pulses can be used with the system to provide a compact one channel UT system. A simple computer (netbook computer included) is used as the operator interface and can adjust all the parameters. The same computer can then be used to analyze data.

Description

Single Channel UT System

The IntraSound can be used as a single channel UT system when connected to a motion control system (using a sync signal) or a standalone UT using the A-scope. The compact size (approx 7.5 x 7.0 x 1.5 inches) allows for minimum shipping, storage and use constraints.

UT Transducer Certification

With the addition of UT Cert software, the IntraSound becomes a Ultrasonic Transducer Certification Station. All necessary acquisition and reporting software is included to make the generation of transducer certification documents as easy as possible.



Technical data

Compatible UT Transducers	1 to 12 MHz, Pulse echo or Pitch/Catch
Square Wave pulser	30 to 600 nsec in 10 nsec steps 50 fixed damping, 0 to 400V in 50 v steps
Receiver	82 dB range in 0.1 dB steps
Data Acquisition	12 Bit Analog to Digital Converter Sample rates to 200 MSPS
Filters	Digital low and high pass filters
Motion controller	TTL level sync pulse input
Software interface	IntraSpect software package
Power	Worldwide External DC power supply

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