



AMDATA
IntraSound-M Portable UT
Manual Scanning System

Introduction

IntraSound Portable Manual Scanning 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. The built-in scanner interface will work with any encoded single or dual axis scanner. A simple computer (net-book 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.

Dual Axis Scanner Interface

Interface to TTL level encoder. Can be used with WesDyne Manual scanners or manual scanners from other manufacturers

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, 2 axis encoder interface
Software interface	IntraSpect software package
Battery Operation	Up to 4 hours on Internal Battery
Power	Worldwide External DC power supply



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