

IntraSpect™ IntraSound Ultrasonic Transducer Certification Station



Description

UT Transducer Certification

The IntraSpect Transducer Certification Module, allows the IntraSound to become 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.

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). The compact size allows for minimum shipping, storage and use constraints.

Technical Description

- Compatible UT Transducers: 1 to 12 MHz, Pulse echo or pitch catch modes
- Square Wave Pulser: PW-30 to 600 nsec in 10 nsec steps, 50 fixed damping, 0 to 400V in 50 v steps
- Receiver: 82dB range in 0.1dB steps
- Filters: Digital low and high pass filters
- Data Acquisition: 12 Bit Analog to Digital Converter. Samples rates to 200 MPS
- Motion Controller: External, stand alone. Requires sync pulse from MC to IntraSound.
- Software Interface: IntraSpect Software Package
- Power: Worldwide External DC Power Supply
- Size: 7.5 x 7.0 x 1.5 inches

Hardware and Software Standard Features

Data Recording Modes

- Full RF Wave Data Collection/Storage Mode
- Hardware Based, Positive, Negative, or Full Wave (Selectable) Video Detection Data Collection/Storage Mode
- Peak Amplitude/Time-of-flight Data Collection/Storage Mode
- Pulse-Echo, Pitch-Catch, or Through Transmission Modes
- Data Compression Features
- Video Detection Mode Provides Data Compression and Extends A-gate Width
- Permanent Storage of Test Setups
- Complete Digital Computer Control

A-scan Display

- Zoom Function
- RF or Video Display Mode
- Time Base Display Selectable as TOF or Metal Path

