



QUALITY MATERIAL INSPECTION, INC.

5442 Oceanus Drive, Huntington Beach, CA 92649

*THE NEW** SONDA-007CX AIRSCAN[®] Digital

Ultrasonic Air-Coupled Test Instrument



The User-Friendly NDT Instrument for Non-Contact
Ultrasonic C-Scan Applications

SONDA-007CX

AIRSCAN® Digital Ultrasonic Air-Coupled Test Instrument

- For non-destructive testing of **advanced materials *without* contamination.**
- **Resolution and sensitivity similar to** conventional water jet techniques.
- **Flat panel screen** and self-contained keyboard function controls.
- **Easy** storage and retrieval of the test setup parameters.
- **C-Scan** imaging capability.
- **Stand-alone** and remote operation via host computer.

SPECIFICATIONS*

TRANSMITTER-RECEIVER

Bipolar Toneburst of up to 15 cycles per burst.
Fine Tuning for nominal 50kHz, 120kHz, 225kHz, & 400kHz frequencies.

Receiver transducers available with *integral super low-noise preamplifiers (600pV/root Hz)* which provide an additional 60dB gain.

DISPLAY

7-inch diagonal flat-panel display of A-trace RF and Rectified Envelope – includes menu function display on screen at all times.

FRONT PANEL CONTROLS

Gain, Gate, Range, Attenuation, Transmit Cycles, Alarms, Independent Receiver & Transmitter Control, And File Functions.

DIGITAL CONTROL

Embedded Computer.

REAR PANEL

Line Power – with replaceable fuse.

DC Analog & *New RF Outputs.

TTL Alarm out.

RS232 connector for host computer interface.

Auxiliary connector for additional large screen monitor.

TTL Trigger in & out.

POWER REQUIREMENT

110-120 VAC, 5 amp/ 220VAC, 2.5 amp.

ENVIRONMENTAL

-20° to 100° F

PHYSICAL

***New 14.375" L X 14.375" W X 5.75" H – WT. 19.5LB.**
Carrying & positioning handle.

SYSTEM CONFIGURATIONS

The SONDA-007CX® may be used with the following:

- All QMI Scanning systems.
- Existing Water-Jet scanning systems.
- Existing data acquisition and motion control software.
- Winspect® data acquisition and motion control software.

ACCESSORIES

- AS50Ai 50kHz Airscan Transducers
- AS120Ai 120kHz Airscan Transducers
- AS225Ai 225kHz Airscan Transducers
- AS4000Ai 400kHz Airscan Transducers
- ST-100 Mini Soft-Tip Probes