BondaScope 300

Handheld Bond Tester

Miniature Ultrasonic Bond Tester

NO COUPLANT REQUIRED!!
Rubber Top & Bottom Contract Surfaces
3.9" 240 x 320 Quarter VGA Display
Pitch - Catch Tone Burst & Spike Mode
300Hz Rep Rate & High Speed Display
Unique SplitView With Bond Profile
Phase & Amplitude Alarms
3 Quick Access Setups
7.5"H x 3.5"W x 1.75"D
Operates on 'AA' Batteries!!
English/Metric

Featuring...
High Speed Bond Profile!

From the Company that introduced and Patented the
FIRST Microprocessor Based, Impedance Plane Bond Tester

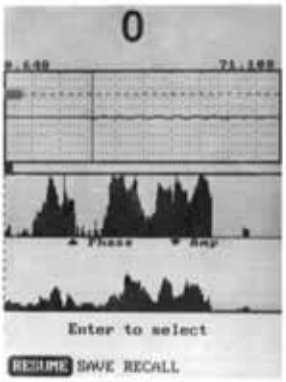
NDT Systems
Worldwide Excellence In Ultrasonics

17811 Georgetown Lane Huntington Beach, CA 92647 Phone: 714.893.2438 Fax: 714.897.3840
Web: www.ndtsystems.com Email: info@ndtsystems.com

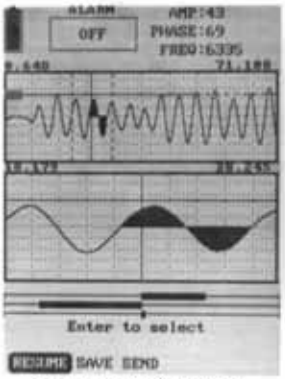
BondaScope 300

Inspect: Composite Skin to Honeycomb, Aluminum Skin to, Honeycomb Metal to Metal Skin and More!

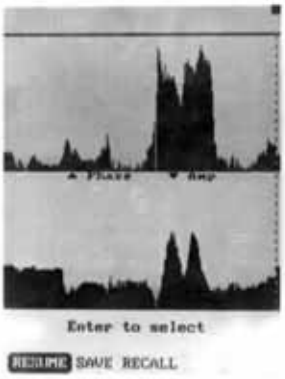
Miniature Ultrasonic Bond Tester



Display showing Amplitude and Phase with RF Window above associated RF Waveform for review



Full RF Waveform with SplitScan View. SplitScan is an Auto Zoom Mode.



High Speed View
This Example is a 2" First Layer Unbond Honeycomb. Demonstrates Phaser Sensitivity

The All New BondaScope Series defines a new standard for ease of use, performance, features and portability in a Handheld Bond Tester. The BondaScope 300 operates in an Auto-Select or Manually Adjustable Tone Burst or Fixed Hi-Energy Pulsed, Pitch-Catch mode with Pulse Rates up to 300Hz. Display Updates at better than 40Hz. With the introduction of NEW, Leading Features including SplitView and SplitScan the BondaScope 300 presents the best indication and presentation of potential bond problems available today. NDT Systems, Inc. is unique in offering, for the first time in industry, the ability to scan a surface and map the profile (Bond Profile Mode BPM). Other, SIGNIFICANTLY more expensive units may offer to store a TOTAL of 20 wave forms; the BondaScope 300 can store over 250 full scan sets and 100 Setups, each with a 30 character file name AND the ability to add up to 8 lines of 30 characters for inspection notes to the user or the user to the supervisor!

The concept of Scanning and presenting historic information on screen, in real time, allows the operator to asses the pattern over distance and/or time, thereby developing a trend pattern. This information provides the operator with a higher level threshold.

The high speed, fully sunlight readable, backlit display offers a full Quarter VGA resolution. The resolution. The resolution of the display will appear to approach analog! User interface is via simple plain text menus located at the bottom of the display. Large numeric display zone offers full 7/16" high characters. ...Please call for more information.

Specifications

Display: 240 x 320 Graphic (2.3"W x 3.1"H)
Backlight - On / Off/ Auto with Reading.
Variable. Last reading hold

Split View: (Handheld Industry First)
Main Trace Window: 100 - 10% in 10% Incr.
Split View Window: 10% - 100% in 10% Incr.
as a Function of Main Trace Window Size

Split Scan: (Handheld Industry First)
Display Waveform and Bond Profile Simultaneously

Screen Freeze Mode

Physical: 3.5" Wide X 1.87" Deep X 7" Long
All Aluminum with rubberized end caps

Calibration: Range, Delay

Pulser: Up to 400Hz Pulse Rate,

Receiver: 1KHz 500KHz Frequency Response

Display Mode: RF, FW, Phase, Amplitude, Phase with Amplitude, Combined Energy Bond Profile

GAIN: Hardware user selectable gain.
Probes, Cables and Accessories are available per application

Included: Plastic Pelican Style Carry Case

Probe Select: Auto Probe Recognition. Ability to modify and store setups

Alarm: LED Threshold Alarm

I/O: USB Connectivity I/O: Download Data

Memory: 2MB data logger. 30 character alpha numeric identification of files. Store 250+ Screens

Operational Modes via Auto Probe:
Pulsed Pitch-Catch, User Adjustable Tone Burst.
Requires no couplant.

Gates: Threshold - POS or NEG Gating

Bond Profile Features: Amplitude, Phase or Sum
'T' Scan - Time encoded Scan (scrolling)
Encoded Scan - Optional with Available Scanner

Power Requirements: Operates on 3 or 6AA Alkaline or NiMH Batteries - Charger & Batteries Included

Authorized Representative

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Visa / MC Amex Accepted