

# BondaScope 300

## Handheld Bond Tester

### Miniature Ultrasonic Bond Tester

NO COUPLANT REQUIRED!!  
Rubber Top & Bottom Contact Surfaces  
3.9" 240x320 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

Visit [www.ndtstystems.com](http://www.ndtstystems.com)  
for more information.



## FEATURING...

# High Speed Bond Profile!



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

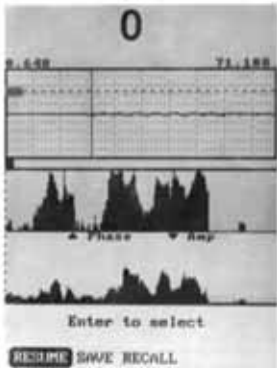
 **NDT Systems**  
Worldwide Excellence In Ultrasonics

17811 Georgetown Lane Huntington Beach, CA 92647 PH: 714.893.2438 FX: 714.897.3840  
Web: [www.ndtstystems.com](http://www.ndtstystems.com) email: [info@ndtstystems.com](mailto:info@ndtstystems.com)

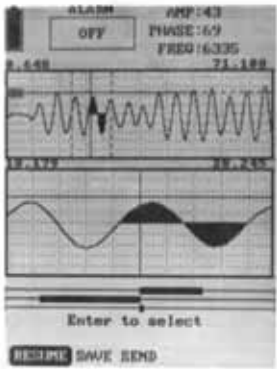
# BondaScope 300

## Miniature Ultrasonic Bond Tester

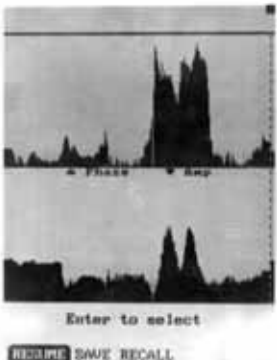
Inspect:  
Composite Skin to Honeycomb  
Aluminum Skin to Honeycomb  
Metal to Metal Skin and More!



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 Unbonded Honeycomb.  
Demonstrates Phaser Sensitivity Operates in Scrolling Mode

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 assess 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

**Pulsar:** 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

ADVANCED NDT LTD

[www.advanced-ndt.co.uk](http://www.advanced-ndt.co.uk)

**Advanced NDT Limited**

Orchard House, Orchard Close  
Severn Stoke, Worcester, WR8 9JJ, England

Tel: 01905 371460 Fax: 01905 371477

Web: [www.advanced-ndt.co.uk](http://www.advanced-ndt.co.uk)

Email: [sales@advanced-ndt.co.uk](mailto:sales@advanced-ndt.co.uk)

 **NDT Systems**  
Worldwide Excellence In Ultrasonics

Specifications subject to change without notice. (E & O.E.)

