

# RD<sup>3</sup> Electronic Digital Tap Hammer

## Technical Specifications

| <u>CHARACTERISTIC</u>                         | <u>SPECIFICATION</u>  |
|---|---|
| Size .....                                    | 7"L x 4"W x 1 5/8"D   |
| Weight .....                                  | 1 Pound   |
| Power .....                                   | One 9 Volt Alkaline Battery   |
| Battery Life .....                            | 9 Volt—Approximately 20 Hours of Continuous Use   |
| Automatic Display Reset to Save Battery Power |   |
| Inputs .....                                  | 1. Electronic Digital Tap Hammer Jack   |
| Outputs .....                                 | 1. Large .350 Inch Liquid Crystal Display<br>2. Standard Oscilloscope Jacks<br>3. Low Battery Indicator |
| Storage .....                                 | Unbreakable, Watertight, Dustproof Equipment Case with Foam Interior                                    |
| Shipping Weight .....                         | Approximately 4 lbs.  |

In a controlled comparison against another bondtester now on the market, the RD<sup>3</sup> produced similar results and actually showed slightly greater relative signal change (sensitivity) at 4,6, and 7 plies. (Their bondtester uses a solenoid-driven impact head to produce a controlled amplitude impact.) The RD<sup>3</sup> did not show as great a signal change as the solenoid tapper did at 2 plies, but sensitivity is not an issue at this level because the signal difference between bonded and disbonded plies is so large. In terms of actual data, the RD<sup>3</sup> compares favorably with the other much more complex and costly device.

*The RD<sup>3</sup> is manufactured by Wichitech Industries, Inc.  
Technology licensed by The Boeing Company. Patent 6,748,791.*

***For more information, to place an order, or for a personal demonstration, please contact:***

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Wichitech Industries, Inc.</b>  | <b>www.wichitech.com</b> |
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| Baltimore, Maryland 21201          | 410/244-1966             |
| United States of America           | FAX 410/244-1968         |

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|------------------|------------|
| <u>NSN</u>       | <u>P/N</u> |
| 6625-01-459-0019 | F4 TAP002  |

*Visa and MasterCard accepted.*

**For Use on Composite and Metallic Aircraft Structures for:**

- ❖ **Locating/Measuring Impact Damage**
- ❖ **Repair Evaluation**
- ❖ **Monitoring:**
  - Matrix degradation
  - Delaminations and disbonds

