



JR TECHNOLOGY
LIMITED

WOODPECKER WP-632AM
AUTOMATIC TAP TESTER

Traditionally coin tapping has been used to detect disbonds of structural bonded materials. Conventional manual tapping methods require a high-level of skill that take a long time to acquire. Relying on the human senses it is difficult to inspect in a noisy environment & impossible to obtain continuous accuracy over a long period. The fundamental problem with this method is that it is not quantitative.

The Woodpecker WP-632AM portable electric tap tester solves this problem. The WP-632AM realized electric tapping utilizing a central processing unit (CPU) which comparatively evaluates the output of a force sensor attached to the actuator. The quantified inspection results are indicated with LED's & numerical values displayed on the LCD. The WP-632AM also allows the transfer of inspected results to a computer for detail analysis & recording.



Optional XY Plotter available; when used in with a PC a map of the area under test is displayed.

The WP-632AM is compact & lightweight allowing single handed operation, significantly reducing time required for inspection with high accuracy. It has been recognized as authorized NDT equipment by: Airbus, Boeing, Bombardier Aerospace, Agusta / Westland's & others. It is codified with the NATO Stock Number: 6635-99-282-4319.

APPLICATIONS :

- Detection of disbond/damage/moisture in honeycomb sandwich materials
- Detection of disbond in composite materials, tiles, clad steel, coatings, etc.
- Detection of disbond of joints in composite structures, eg.- helicopter blades
- Location of beams/ribs/spar in bonded structure
- Detection of boundaries between different materials
- Detection of dryness/aging/hardening of bonding agents, etc.
- Comparison & evaluation of surface hardness (elasticity) of various plates
- Detection of the unfilled area within foamed sandwich panels

SPECIFICATION :

Dimensions (H x W x L): 100 mm x 46 mm x 276 mm (3.9" x 1.8" x 10.9"); **Weight:** 350 g (0.8 lb) – excluding batteries; **Power Source:** 4 x AA batteries; **Power Consumption:** 1.0 W; **Battery Life:** Approx. 10 hours continuous use

For more information visit : <http://www.jrtech.co.uk/web/en/ndt-and-inspection>



J R TECHNOLOGY LIMITED
BROOK BARN, 30A BARRINGTON ROAD, SHEPRETH, ROYSTON, HERTS. SG8 6NU UK

Tel.- +44 (0)1763 260721
e-mail.- enquiries@jrtech.co.uk Website.- www.jrtech.co.uk

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