



## JR TECHNOLOGY LIMITED

Traditionally tap hammers have been used for the inspection of structural bonded parts. Conventional methods require a high-level of skill that can take years to learn. Relying on the human ear it is difficult to inspect in a noisy environment & impossible to obtain continuous accuracy over prolonged periods. The fundamental issue is that it is not quantitative.

The TT-42 automated tap tester solves this by comparatively evaluating the output of a force sensor attached to the actuator. The quantified inspection results are indicated with LED's, an alarm & numerical values displayed on the OLED.

## MODEL TT-42 AUTOMATIC TAP TESTER



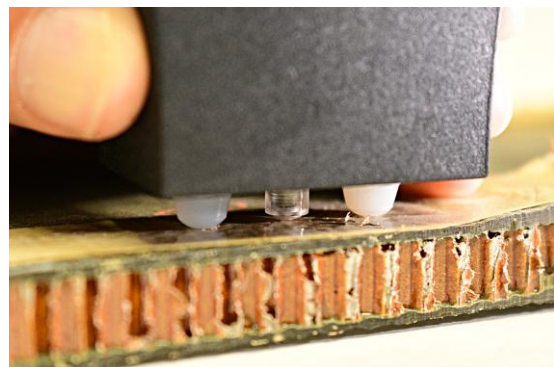
Unique features include the ability to set the comparative 'standard' value without the need for costly test pieces.

The TT-42 is compact & lightweight allowing single handed operation, significantly reducing time required for inspection with high accuracy.

Offering similar performance to other, well established units, it offers excellent value for money.

### APPLICATIONS - including but not limited to:

- Detection of disbond/damage/moisture ingress in honeycomb sandwich materials
- Detection of disbond in composite materials & bonded structure up to a max depth of 3-5mm
- Detection of issues within bonded joints
- Aid in the location of beams/ribs/spars in components
- Detection of boundaries between different materials
- Detection of dryness, aging & hardening of adhesives
- Comparison & evaluation of surface hardness
- Detection of unfilled areas within foamed sandwich panels





#### **SPECIFICATION :**

**Dimensions (H x W x L):** 30 mm x 80 mm x 125 mm (1.2" x 3.2" x 4.9")

**Weight:** 170 g (0.37 lb) – including battery

**Power Source:** 1 x PP3 battery (9Volt)

**Battery Life:** Approx. 10 hours continuous use (with 600 mAh battery)

**Frequency/tap rate:** 1, 2, 4, 8 or 16Hz

**Average every:** 1, 2, 4, 8 or 16 taps

**Audible alarm:** at 25%+ variation, with first red LED

**LED Percentage Threshold:** Green (0-14%), Amber (15-24%) & Red (25%+) variation from setpoint

For more information please contact us



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