



JR TECHNOLOGY
LIMITED

REINFORCED PLASTICS & COMPOSITES
PRODUCTION ENGINEERS

WOODPECKER WP632
TEST PIECE SIMULATOR
(WP632 TPS)

Patent Pending

The Woodpecker WP632 Test Piece Simulator (WP632 TPS) offers a substitute for manufacturing calibration test specimens, once contact times have been established for the component by the manufacturer.

This equipment consists of a microprocessor, associated interface electronics and a diaphragm which can be mechanically adjusted by a thumb-wheel to vary contact time. A sensor measures contact of the Woodpecker WP632 hammer head with the diaphragm and the resultant contact time is shown on the digital display. The contact time data output of the Wooecker is compared with an internally generated window to ensure correct calibration.

Four AA alkaline batteries power the electronics and back light giving a running time in excess of 20 hours. The display has a back light for low ambient light conditions and also indicates low battery voltage.

The whole assembly is housed in an ABS, Military case (available in a variety of colours) with storage space in the lid for: a Woodpecker WP632 Handpiece & spare: hammer heads, guide feet, connecting lead & batteries (for the WP632 & WP632 TPS).



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QUICK OPERATION

- The T.P.S. should be placed on a flat surface with the top half of the case fully opened.
- Unfold the “Woodpecker” STAND by rotating it into the vertical position.
- The COMMUNICATION LEAD is plugged into the “Woodpecker” & via the X1 connector at the T.P.S. end.
- The “Woodpecker” hammer head & feet are placed through the holes in the FACEPLATE.
- The T.P.S. & the “Woodpecker” are switched ON.
- Press & hold the blue “memory switch” on the “Woodpecker” until the green READY light activates; the SAMPLE light on the T.P.S. will flash and the display will indicate the CONTACT TIME value read by the “Woodpecker”.
- Rotate the red THUMB WHEEL on the T.P.S. to either INCREASE or DECREASE until the display registers the required CONTACT TIME. During this time the red CALIBRATION ERROR indicator may light & alarm.
- Press & hold the blue “memory switch” on the “Woodpecker” until the green READY light activates.
- Check the red CALIBRATION ERROR indicator is inactive.
- Check the required CONTACT TIME is indicated on the T.P.S. display.
- The “Woodpecker” may now be disconnected from the T.P.S. Alternatively, it may be left connected to continually indicate the CONTACT TIME transmitted by the “Woodpecker”.
- If the “Woodpecker” is removed from the T.P.S. before the “memory switch” is pressed an audible warning is given.

(*) In this document the term “Woodpecker” is used throughout as an abbreviation for Mitsui “Woodpecker WP632 Tapping Exfoliation Detector”

(**) In this document the term “T.P.S.” is used throughout as an abbreviation for the WP632 Test Piece Simulator.

