

# WOODPECKER-series



## The WOODPECKER and the WOODPECKER Forest

The Profound Wood Integrity Testers are used for accurate testing of wooden objects. The WOODPECKER measures the integrity of wood, specified in the number of millimetres that the striker pin has invaded the wood. The integrity gives an indication of the density, quality and load bearing capacity of the wood.

With *The WOODPECKER* the quality of for example foundation piles, bridges, railways, utility poles and wooden playground/climbing equipment can be tested. Application areas for *The WOODPECKER Forest* include tree farming, timber classification and forest management.

### Features

- Non-destructive wood integrity testing tool.
- *The WOODPECKER* is provided with a wear indicator which alerts users to replace the striker pin on time.
- Measurements remain accurate even after long and intensive use of the tool.
- Thanks to minimal back-firing, measurements can be reproduced optimally.
- Easy to use; also designed for use in crawl or damp spaces.
- Optimized against water, humidity, soil, and dirt.
- *The WOODPECKER* can be recalibrated.
- Safe to use if precautions are followed.

### Procedure

The test consists of injecting a spring-loaded steel striker pin including a black O-ring in the wood. The tester is first loaded and then pressed firmly against the wood surface to be tested. When the red trigger is pressed, the striker pin will penetrate into the wood. A scale on the striker pin itself gives the depth of penetration in millimetres, as well as the location of the O-ring on the pin. The penetration is also shown on the display.

The measurements can be compared with protocol reference tables, in order to give an indication of the density and quality of the wood. The striker pin is equipped with a wear indicator, showing when the striker pin has to be replaced.

Technical specifications WOODPECKER	
Measuring range	0 – 50 millimetres
Double-heading tension	61 ± 4.9 N (specified in certificate)
Pushing speed	5.03 ± 0.24 m/s (specified in certificate)
Weight device incl. striker pin ø 5 mm	2.6 kg
Size casing	Length max. 31.7 cm; ø max. 5.9 cm
Weight striker pin ø 5 mm	35 gram
Diameter striker pin	ø 5 mm
Diameter forest striker pin	ø 2.5 mm
Housing	Made of high quality materials such as stainless steel and aluminium
A complete WOODPECKER consists of	Wood Integrity Tester incl. striker pin and spare striker pin (ø 5 mm or ø 2.5 mm), O-rings, loading device, offset hexagon bar key, pin wrench, calibration certificates and instruction manual in solid case.

