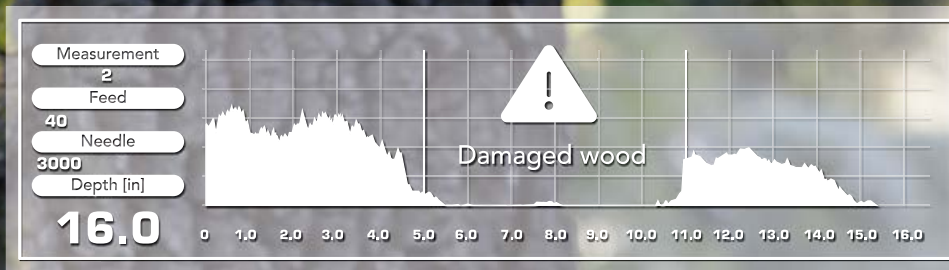




IML-RESI PowerDrill®

Drill resistance- and feed force measurement for trees and timber



A reliable and efficient method for wood inspection

The IML-RESI PowerDrill® measures the drilling resistance and feed force of the wood to supply the user with data to make a clear statement about the condition of the wood.

Wood inspection technology designed for every application

The IML-RESI PowerDrill® delivers reliable and meaningful measurement results; draw conclusions about the safety of different types of wood. Whether trees, wooden poles, wooden bridges, playground equipment, pilings, or other construction wood - the IML-RESI® is suitable for every application. With a fine drilling needle, the measuring device penetrates the wood in a minimally invasive way and records both the drilling resistance and the feed force in relation to the penetration depth.

When the bit enters a void or decay, the measurement curve will lose resistance and be seen as a flat or decreasing line in the graph clearly defining a loss in wood structure.

Only the IML-RESI PowerDrill® has the additional feed force curve „FEED“, which increases the drill’s sensitivity to detecting deteriorated wood. For example, in case of fungi, which leads to wood embrittlement, the FEED curve has the ability to capture this defect at an early stage.

The IML-RESI PowerDrill® is actively used in the following scenarios:

- In-depth inspection and safety assessment of urban trees
- Capturing the remaining strength in wooden utility poles
- Decay diagnosis of wooden playground equipment
- Structural testing in stilt and timber homes
- Bridge piling and wooden railway inspections
- Testing both above and below water-level of submerged dock pilings with a specialized device



Innovative & tailored to your needs

The IML-RESI PowerDrill® combines technical innovation and individual flexibility. Use the advantages for your specific application.



Digital measurement results

Accurate measurement results easily transferred to a PC or handheld device. Measurement graphs are visible directly on the IML-RESI PowerDrill® during and after the measurement.



Clear organization

Measurement data can easily and efficiently be sorted by typing in the ID number or tree number.



Long battery life

Powerful lithium-ion batteries lead to high drilling performance with all levels of wood density.

Optional accessories

Thanks to the flexible modular system, you can adjust the IML-RESI PowerDrill® to your requirements.

- Feed force measurement curve „FEED“
- Tilt sensor „TLT“
- Scaling package „SCL“
- Memory enlargement „MEM“
- Needle check „NC“
- WoodInspector for automatic evaluation of wooden poles
- Bluetooth printer
- Carrying bag with shoulder strap
- Shoulder strap
- Screenprotector

We are available to discuss your specific needs and recommend what may work best for your inspection.

IML-RESI PowerDrill® at a glance:

| | |
|------------------------|---|
| Drill depth: | 20 cm to 100 cm |
| Drill speed: | adjustable based on wood density |
| Attributes: | light weight and ergonomic design |
| Operation: | intuitive and user-friendly |
| Interpretation: | unique feed curve for clear statements with a manual provided |
| Quality: | high quality, Made in Germany |

Further information
via QR-Code!





IML Service – Always there for you!

You benefit from the expertise of the market leader. IML offers the unique combination of wood science and technical knowledge.

Seminars & training

We offer on-site seminars and training opportunities for every field of application.

With a knowledge of 35-years of experience, learn about the functions, measuring method and correct use of the device directly from us.

- Online training videos
- Seminars provided worldwide for various areas of application
- On-site seminars and trainings
- Online seminars
- Confirmation of participation by certificate
- Technical device instructions included

You can find current dates and further information on our website at:
www.iml-service.com/seminars

Safety & customer service

Safety requirements are closely monitored and continually increase with policy updates. This is an added value for our customers:

- Annual inspection including testing, cleaning, and calibration – according to IML's DIN EN ISO 9001 certification
- Fast and efficient customer service worldwide
- TÜV certified company
- Reliable measurement method used for over 35 years
- Rapid support response times
- Assistance in interpretation and evaluation of measurement results
- Quick shipping turnaround times

Evaluation and documentation

Paperless evaluation of measurement results with the help of an integrated electronic unit and software solutions.

IML evaluation software

With our IML software for Windows, Android, iOS and MacOS you can transfer the measurement data directly from the IML-RESI® to your end device.

Additional details such as tree species, project number, recommendation for action, or general comments can be entered in the software.

Different areas in the measurement curve can be marked in various colors to show the difference between healthy and defective wood. After the measurement has been exported as a PDF file, the results can be shared or uploaded in a GIS system.

WoodInspector for wooden poles

Simple and objective assessment of your wooden poles with the IML WoodInspector. The WoodInspector software can be individually configured to national standards or specific requirements in your company.

In addition to the visual inspection, the IML-RESI PowerDrill® provides non-subjective results. Our office offers training and customer support preparing the operator for safe, effective, and proper handling of the equipment. With an international presence, large network operators such as German Telekom, have been relying on the IML-RESI PowerDrill® for many years.



Measurement graphs shown in the IML Software



IML Distribution Partner

As the world's largest manufacturer of measurement and test instruments for wood diagnostics and as internationally operating enterprise, IML is at the forefront for product development and market presence for more than 35 years. The IML Company have over 30 country distribution partners. Our service and sales network is present all over the world and we are represented directly at your door step.



With Passion and Precision

IML – Instrumenta Mechanik Labor System GmbH
Parkstraße 33
69168 Wiesloch | Germany

Telefon: +49 6222 6797-0
Fax: +49 6222 6797-10
E-Mail: info@iml.de
Web: www.iml-service.com



Management
System
ISO 9001:2015

www.tuv.com
ID 900018489