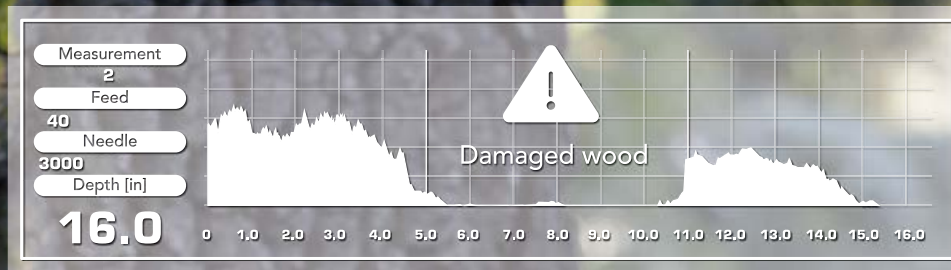




IML PowerDrill®

Uncompromising Precision
for Wood and Tree Inspections



Just know what you can't see

With the IML PowerDrill® you can identify the actual inner condition of the wood. This ensures the early recognition of defective wooden parts.

Application Areas

The IML PowerDrill® can be used wherever reliable and meaningful measurements are required.

Range of applications:

- Tree care inspection and management to maintain safe parks, roadways and forests
- Check stability of wooden poles
- Diagnose decay in wooden playgrounds
- Inspection of structural wood in timbered houses, bridges and buildings on stilts for weak points and safety risks

Advantages

- Top-notch technology for reliable assessments of wooden structures and trees
- Fast detection of from the outside not visible damages through feed and drilling resistance measurement
- Advanced decay detection through patented feed force measurement
- Effortless management of measurement data because of easy to use and well-arranged menu guidance
- Durable technology and robust housing for highest demands
- Freely adjustable speed settings for clear and reproducible results
- Compact, battery-operated drilling resistance measuring instrument with integrated system guidance
- Automatic evaluation of measurements taken from wooden poles
- Uncomplicated, fast and digital acquisition of measurement data
- Fatigue-free operation due to the ergonomic design and low overall weight



Functions and optional Add-ons

Innovative measuring instruments for highest demands with adaptable modules for individual applications.

Functions & Characteristics

Improve your workflow with the efficient and digital data acquisition.

- Easy-to-read display (139x37 mm)
- Intuitive menu controlled with help of navigation button
- USB and Bluetooth interface for connecting to a PC or handheld device
- Measurements stored in internal memory
- Scaling of measurement curves directly in the electronic unit for better curve interpretation
- Enhance your data management by assigning ID numbers and comments
- Pre-select drilling depth
- Long battery life and high drilling performance
- Automatic needle breakage detection
- Robust and splash-proof aluminium housing

Data at a Glance:

- Drilling resistance and feed curve
- Feed speed and needle rotational speed
- Number of measurements stored
- Free memory remaining
- ID-number/comment
- Date, time, battery life
- Drilling angle
- Needle breakage detection

Optional Add-ons

The IML-RESI PD Series can be expanded and customised with additional modules and options.

- Increase memory to 50, 100 or 180 metres of recording length
- Record feed curve
- Tilt sensor
- Scaling package
- Needle Breakage Detection
- Access control
- WoodInspector for automatic curve evaluation of wooden poles
- Bluetooth printer to print measurements on-site wirelessly
- Shoulder strap and carrying bag

Specifications

Drilling depths:	200mm to 1000mm
Energy source:	Lithium-ion rechargeable battery
Results:	Electronic data storage, optional: Bluetooth printer
Resolution:	0.02mm/300mm
Feed stages:	5 feed stages, freely adjustable from 15 cm/min to 200 cm/min
Rotation speeds:	5 rotation speed levels, freely adjustable from a min. 1500 rpm to a max. 5000rpm



IML Service

Benefit from the expertise of the market leader. IML offers an unique combination of competence in wood and drilling resistance know-how.

Intensive Courses & Training

In order to take full advantage of the potential of IML measuring devices, we offer seminars and trainings for every kind of operator. Become familiar with the features, measurement methods and technical applications of the device, know the proper use of the equipment directly from the manufacturer with more than 30 years of experience.

- Online training videos
- Trainings worldwide for various fields of application
- Individual trainings on site
- Certificate of participation

Contact us for more information in regards to our seminars and training.

Safety & Customer Service

Safety requirements have become increasingly important in recent years worldwide and will continue to rise in the future. According to this we offer clear added value for our customers:

- Annual service inspection to calibrate, clean and inspect the measuring device
- Outstanding support through IML customer service & more than 20 highly experienced partners worldwide
- TÜV certified quality in Germany
- Acknowledged measurement method for more than 25 years with satisfied customers in over 100 countries
- Short reaction time of our support by e-mail or telephone
- Support with the interpretation and evaluation of measurement results

Evaluation and Documentation

Paperless evaluation and documentation of measurements thanks to the integrated electronics and software add-ons.

PD Tools / PD Tools PRO

Included with the IML-RESI PD Series is the standard PD Tools software package. The expanded PD Tools PRO is available as an extra option.

- Standard PD-Tools software features: configuration, transmission, evaluation, magnification, printing and storing
- Advanced PD-Tools PRO software includes the standard PD-Tools features plus exporting, averaging, printing, cavity detection, tree ring analysis and many more

IML WoodInspector

Sustainable and efficient testing of wooden poles with individual adjustment possibilities customised to your needs.

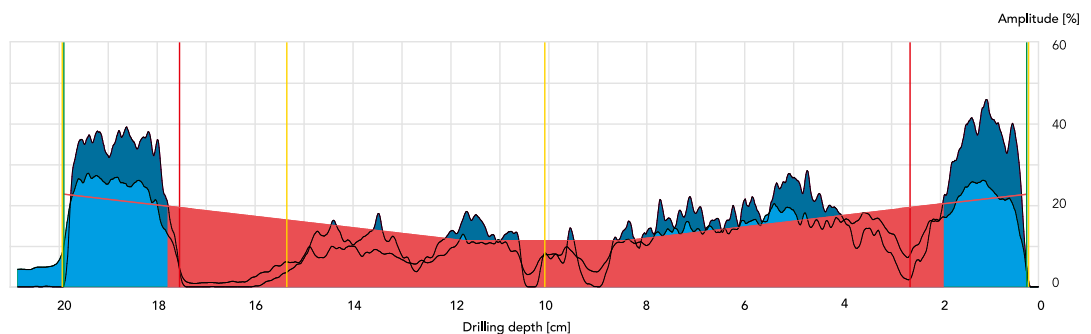
- Graphical and numerical remaining wall thickness, remaining strength and decay detection
- Detection of decay and incipient decay
- Flexible and individual adaptation to user specifications and operating conditions
- Automatic diameter detection allows the automatic withdrawal of the bit after exiting at specific drill angles
- Test results displayed immediately after the drilling
- Operators can be trained fast and economically due to the intuitive operation
- Remote control interface

Measuring / object data

Measurement no. : 6	Speed : 3000 r/min	Diameter: 17,00 cm
ID number : ---	Needle state: ---	Level : ---
Drilling depth : 20,85 cm	Tilt : -30°	Direction : ---
Date : 02.02.2020	Offset : 49 / 287	Species : ---
Time : 11:19:22	Avg. curve : off / off	Location : ---
Feed : 102 cm/min	Name : ---	

WoodInspector

Program : Pole - IMLUSP 2.00	Sum decay : 41,3% 39,1% 80,4%
Pole type : ---	Heart rot : 41,3% 39,1% 80,4%
Measurement : Below soil level	Shell rot : 0,0% 0,0% 0,0%
Defect pattern : Heart rot	Remaining wall : 8,7% 10,9% 9,8%
Result (auto) : REJECT	Strength : 53,4% 62,6% 58,0%



pic. shows IML WoodInspector analysing timber pole with decay



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 30 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

Manufactured by IML - Germany

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