

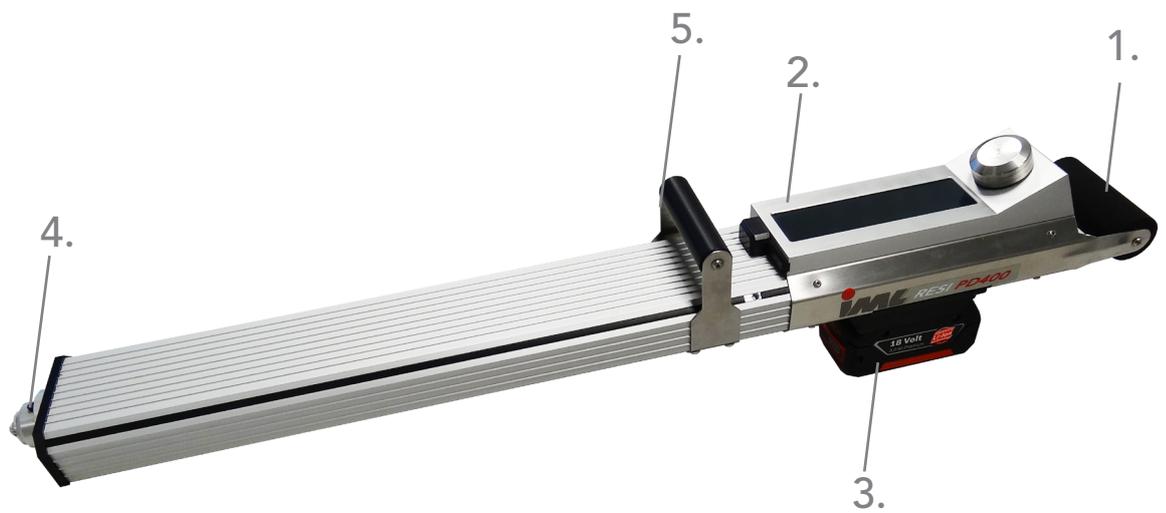
IML PowerDrill® Brief Instruction

Uncompromisingly precision for
all applications



System Components

IML-RESI PD-Series



1. Handle
2. Control Unit
3. Battery
4. 45° Adapter
5. Additional Handle
6. Navigation Knob
7. Display
8. Bluetooth Antenna
9. USB Interface



Installing and Removing the battery

IML-RESI PD-Series



Installing the Battery

Slide the battery into the battery mounting as shown on the picture until the latch is locked. Make sure the battery is correctly locked to avoid a falling out of the battery during operation.



Removing the Battery

Make sure the instrument is switched off before removing the battery. Press the release button of the battery and remove it backwards from the mounting.

Switching the device On and Off

IML-RESI PD-Series

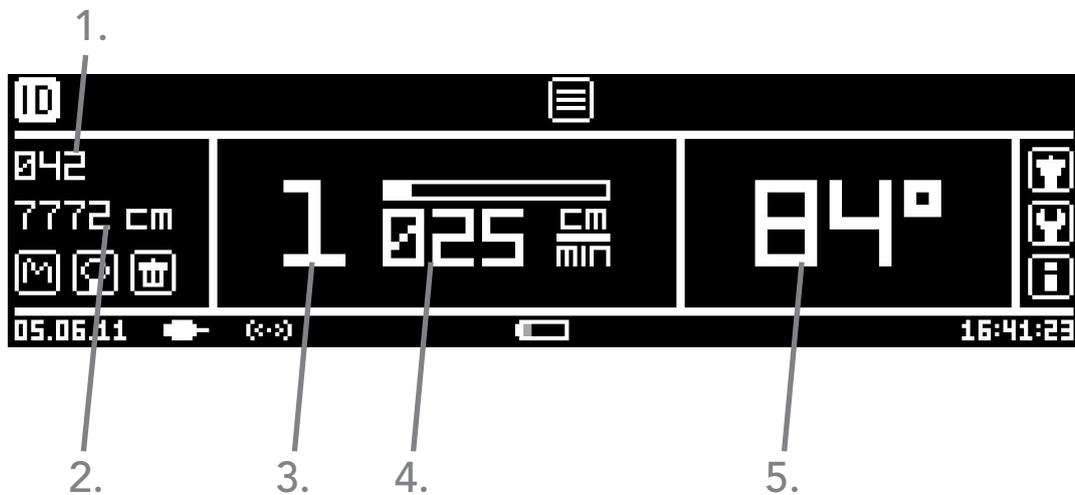


Press the navigation knob to switch on the instrument and keep it pressed until the IML logo appears in the display.

Press the navigation knob again to switch off the device. Keep it pressed until the control unit switches off. The device can only be shut down, if the main menu is shown.

Description of the Main Menu

IML-RESI PD-Series



- 1. Number of stored measurements
- 2. Remaining free memory

- 3. Feed stage
- 4. Feed speed
- 5. Tilt (Add-on module TLT)

 Changes the ID number. You can choose for example a tree number. The ID is stored with each measurement.

 Changes the remark. You can choose an individual comment. The remark is stored with each measurement.

 Shows the last measurement profile.

 Shows the complete data of the last measurement.

 Deletes the last or all measurements.

 Displays the needle change menu.

 Displays the system control menu.

 Displays the instrument information.

Feed and RPM Stages

IML-RESI PD-Series

General Feed Stages:

Hard wood:
Stage 2 (50 cm/min)
to Stage 4 (175 cm/min)

Soft wood:
Stage 3 (100 cm/min)
to Stage 5 (250 cm/min)

Utility poles:
Stage 1 (100 cm/min)
to Stage 3 (200 cm/min)

General RPM Stages:

Hard wood:
2500 RPM

Soft wood:
2500 RPM

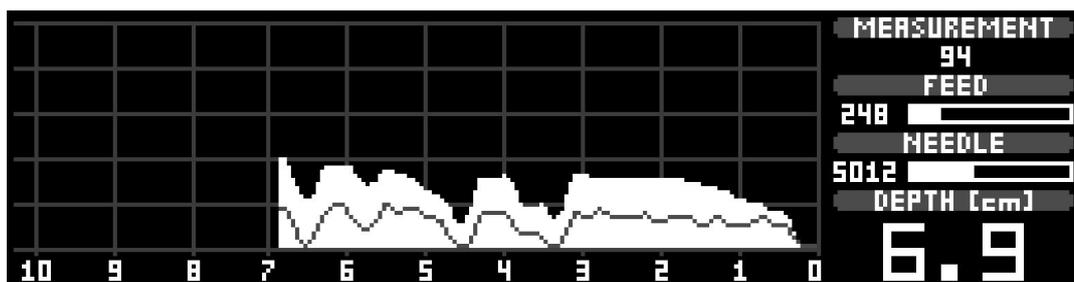
Utility poles:
3000 RPM

Press the black key briefly to change the feed speed. In order to change the feed speed the main menu has to be displayed.

Please note: These values are only guide values. They vary depending on different wood qualities and on the status of the drilling needle.

Conduct a Measurement

IML-RESI PD-Series

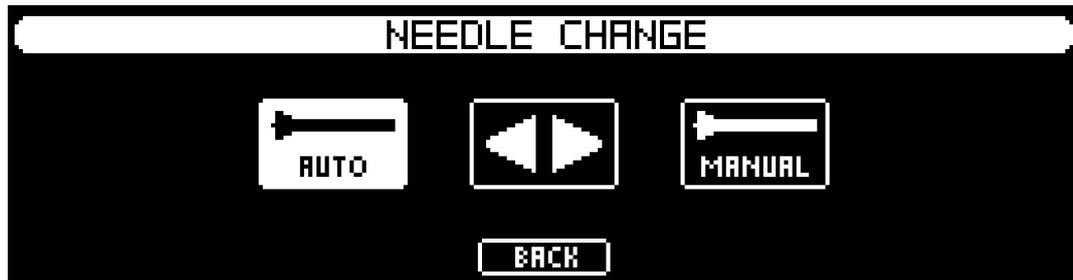


Make sure the main menu is displayed. Press the instrument against the object that has to be examined. Make sure the 45° adapter sleeve is pressed correctly. This safety function prevents accidental measurements- The security system will detect the compression and displays it in the status bar of the main menu. You are not able to start a measurement when the adapter is not pressed correctly.

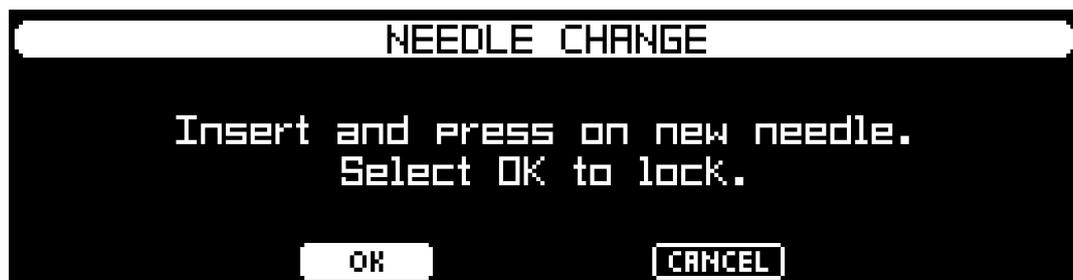
After pressing briefly the red key the drilling will start and the graphic shown above will appear.

Changing the Drilling Needle

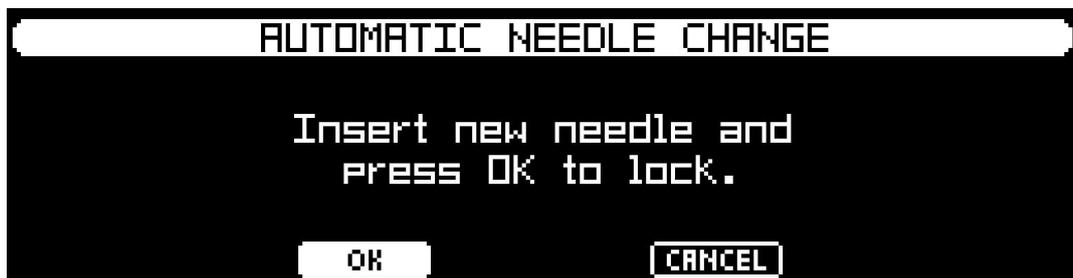
IML-RESI PD-Series



In order to change the drilling needle, select the drilling needle symbol in the main menu. The menu shown above appears. For automatic needle change select ,AUTO' for manual needle change select ,MANUAL'. If no needle breakage or telescope damage exists always select the automatic needle change. The double arrow allows the movement of the feed unit.



The drilling needle is extended until it reaches the changing position. Then the message displayed above appears. Hold the blade of the drilling needle with the universal pliers and press the button ,OK'.



After having removed the drilling needle the message shown above appears. Pull the old needle out of the instrument and insert a new one. Hold the new drilling needle on the blade with the universal pliers and select ,OK'. Only release the drilling needle when it is retracted backwards to the end position.

Request of the Device Information

IML-RESI PD-Series



Details of your instrument can be displayed by selecting the device information symbol in the main menu. The serial number of the instrument as well as the serial numbers of the electronic unit are shown in this menu. Furthermore the next service date, the versions of the firmware, of the hardware and of the WoodInspector are listed. The installed Add-on modules are also displayed in the device information menu.

Note:

The complete instruction manual is available on our website: www.iml.de/en
You can find it in the download area.



IML – Instrumenta Mechanik Labor System GmbH
Parkstraße 33
69168 Wiesloch

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