

RESISTOGRAPH[®] Series 4

Drill resistance measuring unit

Electronically controlled, automatic
drill resistance measurement for trees,
hardwood and softwood



Drill device model 4453-P



PowerPack
(contains battery pack, printer and data memory)

- Automatic feedrate adjustment for all kinds of wood**
- Up to 50 drilling cycles without paper change**
- Up to 100 drilling cycles with a single battery charge**
- Data memory for up to 500 drilling cycles in battery pack**
- Drill weight 4 kg, unit length 65 cm, drilling depth 44 cm**
- Simultaneous chart printout in scale 1:1**

RINNTECH is a registered trademark of Frank Rinn.
Resistograph is a registered trademark of Frank Rinn in 28 countries.
The electronic drill resistance measurement was developed by Frank Rinn
in the years 1986 to 1989 and was patented in 1990.

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Fields of application

In many cases, a visual inspection is not sufficient to examine the inner condition of trees and wood. The new RESISTOGRAPH® will give you more certainty - quickly, precisely and reliably.

Functional principle

The penetration resistance of a fine drill needle is measured and recorded. The quality of the wood can be assessed by the resulting charts.

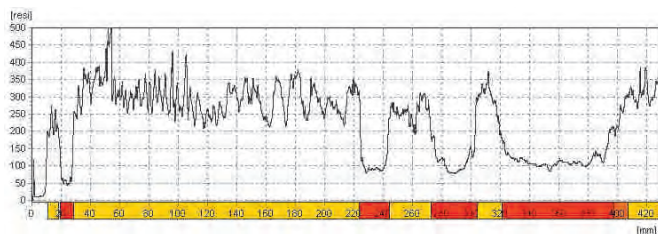


Operation

Start and Stop using a single switch. You need not select a wood type-dependent feedrate. The unit automatically sets the optimum speed and feedrate. A 1:1 scale always shows the current drilling depth.

Evaluation

A measurement only lasts 1-2 minutes. The result is simultaneously printed and immediately available. In addition, the PowerPack can save up to 500 measurements. These profiles can be professionally processed using the DECOM software and integrated into your reports and papers.



Scope of delivery

- Drill (weight 4 kg) including handle
- PowerPack with rechargeable battery, printer and data memory
- Upholstered system case with rollers, 79*37*27 cm
- Shoulder bag for PowerPack
- DECOM software for evaluation and printing



Service

- Training on location
- Purchase or leasing possible
- Application and evaluation consulting
- Selectable support period

Technical data and facts

DRILL

- Simple, single-switch operation
- Automatic feedrate adjustment for all kinds of wood
- Up to 50 drilling cycles without paper change
- Drill weight 4 kg
- Drilling depth 44 cm with a unit length of 65 cm
- Simultaneous, concurrent drilling depth display in the drill
- Hardened drilling needles for an extended useful life
- Drilling needles can be changed in any machine position
- Standard: Front adapter for diagonal drilling
- Drill unit housing cross-section 9x9 cm
- Very low costs per drilling cycle

PRINTOUT

- Simultaneous chart printout in scale 1:1 on scratch-resistant thermal paper rolls
- Up to 50 drilling cycles without interruption for paper change

DATA MEMORY AND BATTERY PACK

- Data memory for up to 500 drilling cycles in battery pack
- Battery pack 7.5 kg in shoulder bag
- Standard battery pack 24 Volts x 7.2 Ah = 172 VAh for up to 100 drilling cycles
- Power battery pack 24 Volts x 13 Ah = 312 VAh for up to 180 drilling cycles
- Rechargeable batteries without memory effect, can be recharged any number of times

VERSIONS

- P: Professional version with 0.1mm resolution
- S: Scientific version with 0.01mm resolution
- Standard drilling depth selection: approx. 44 or 30 cm
- Special lengths with up to 150 cm drilling depth on request



Please do not hesitate to contact us if you have any questions:

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More detailed information also concerning other products for tree, wood and annual ring analysis can be found at:

www.rinntech.com