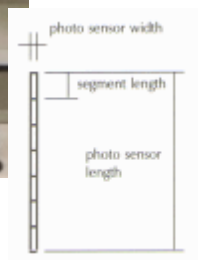




Dendro 2003

DENDRO 2003 Tree-Ring-Workstation



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Dendro 2003

DENDRO 2003 Tree-Ring-Workstation

The DENDRO 2003 equipment is the third generation of densitometrical instruments developed by WALESCH Electronic. Made for density studies on the wood of forestry products, e.g. fast-growing trees, particle board and paper.

Reconstruction of local and worldwide climatological conditions over thousands of years. Evidence of natural and man-made environmental changes in forests, lakes and oceans.

- DENDRO 2003 can be used in dendrochronology, forest research, wood technology, sedimentology, zoology and photography for the solution of climatological, ecological, technological and historical problems.
- DENDRO 2003 is a technically mature instrument based on scientific and ergonomic principles.
- DENDRO 2003 is particularly suited to densitometrical analysis of structurally heterogeneous objects in the microns to 300 millimetre range.
- DENDRO 2003 has proven its usability, particularly for analysis of annual structures such as tree rings, varves and corals.

Features

Main Features



- Analysis of X-ray film in transmission light.
- Analysis of surfaces in incident light.
- Fast, precise and repeatable positioning of objects on the positioning table. (A triple-axis joystick moves the table over a large X and Y range of 300 x 170mm).
- Projection of objects on a large rotatable screen with 10, 25 or 50-times magnification. (other magnification available on request)
 - Automatic and manual data acquisition.
 - Logical and user friendly control panel design allow easy and efficient handling.
 - Data recording on a computer.
 - Digitalization and conversion of the recorded density values to graphic formats for easy data-processing, data-management and data-comparison.
 - Electrical object focusing and brightness control.
 - Photo sensors of variable size with inclinable axis.
 - Forward and Backward table movement during data acquisition.
 - Manually operated sliding potentiometers to record structures with small density deviations.
 - The application in dendrochronology is described in the book: "Tree Rings" by Prof. F. H. Schweingruber; Reidel/Kluwer, Dordrecht, Boston, Lancaster, Tokyo 1988.

Photo sensor for density measurement



- The photo sensor is divided into segments which can be calibrated individually.
- Each segment can be toggled on and off to define the measurement column length. (This may be useful to ignore irregularities on samples.)
- The measurement column length is indicated on the screen.

Usage



- Dendrochronology
- Climatology
- Forest Ecology
- Wood Biology
- Sedimentology
- Zoology
- Photography

Subject to modifications and errors

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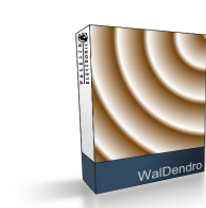
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Related Products



WalDendro Software



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DENDROXRAY 2



Dendroscope

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