

# Dynatim™

Dynamic load and behaviour analysis of trees and timber-structures

## Technical Data:

Inclination sensor:

- 2 axes
- Angle +/- 15°
- Resolution: 0,001°

Force sensor:

- Force 0-50KN (0-5 to)
- Resolution: 1 kg

Strain sensor:

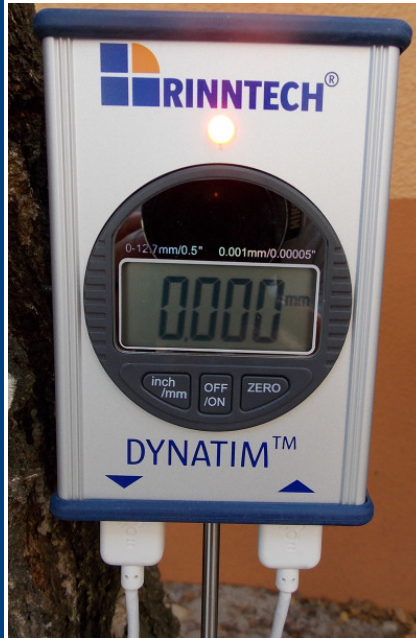
- Max. strain: 14mm
- Resolution: 0,001 mm
- Point distance up to 1,5m

Uses standard computer cables and connectors

Flexible sensor chain with up to 36 sensors

Remote control by PC

Combined battery pack Dynatim™- Arbotom®



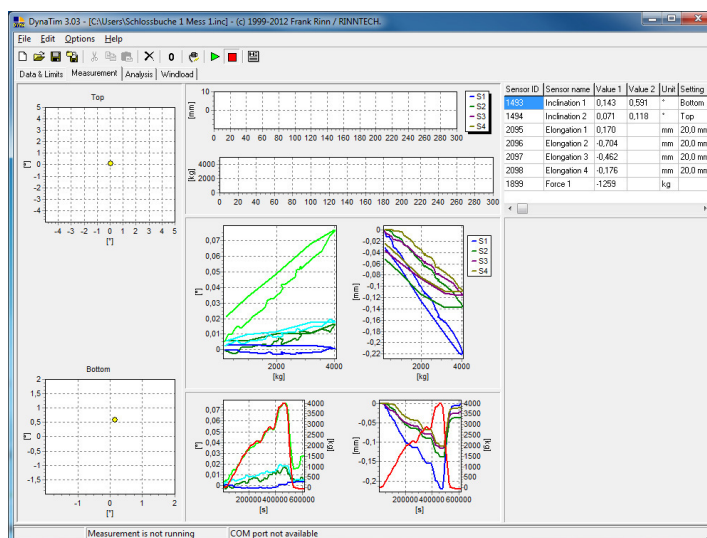
Strain sensor at stem or branches (or timber connection)

for analysis of

- Breaking and tipping strength
- Load and oscillation behaviour



Inclination sensors at stem base and trunk head or structural timber



Continuous measurement and recording of natural and artificial loads (wind, pulling), fibre strain and inclination of trees or timber structures.

Graphical and numerical analysis of dynamic behaviour of tree or structural timber in computer program.

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