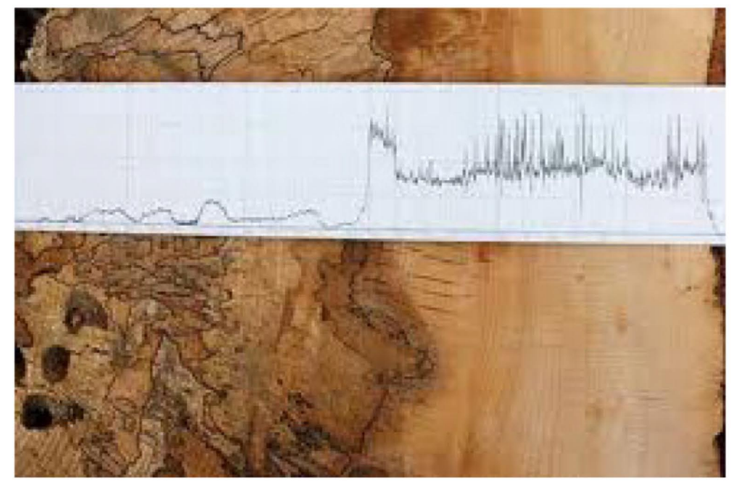
都市樹藝有限公司
Muni Arborist Limited

# Advanced Decay Detection Equipment - Resistograph

Wood decay may not be visible by visual inspection. A decay detection device is often necessary to provide an objective result about the extent of decay

Resistograph is an instrument that detects decay and cavities in trees and timber. Wood decay, stages of rot, hollow areas, cracks and ring structure would not be easy to identify in visual inspection. The resistograph is an ideal device based on a drilling resistance measuring method to detect decay.



As the micro drill (1.5mm to 3.0 mm) enters the tree, the resistance of the wood changes the rotation speed of the drill. These variations are translated into a graph, which looks a lot like an electrocardiogram. The resistograph provides quantified and objective data which will determine to what extent a tree is at risk of failure.

## Resistograph - PD Series



Ordinary resistograph measures the resistance only. The shaft friction within the wood would be regarded as resistance and may give a fault result. That is, a hollow Acacia confusa may have a high resistance due to shaft friction but is unstable! The new PD-Series includes an innovative feature of measuring the Feed Rate. By comparing the Feed Rate and the resistance, the trained arborist can interpret if the resistance is generated by the shaft friction.

Aside from the tree care industry, the resistograph has a number of uses. It is used to determine amount of decay in living trees, dead stems, electricity post, bridge timbers and rail sleeper. It is also used in root, trunk and climbing inspections.

