

Lysimeter

Accurate results for monitoring plant activity



Description

The Griffith Elder Lysimeter is a fully automatic weighing system designed for monitoring weight changes in plant growth systems.

This is especially used to allow researchers to assess vital information for the health of their plants, such as evapotranspiration and soil nutrient uptakes.

How it works

At the heart of the Lysimeter is a series of digital load cell sensors. Any number of load cells can be used up to a maximum of 32, which can be connected together to take a continuous series of measurements over any given time period chosen by the researcher.

Simple to operate

Operator input is minimal. The researcher has to choose the number of load cells to use, the length of time to monitor weight changes, and the time interval between readings of each load cell. Our Weightel™ digital load cell technology enables the Lysimeter to collect the desired data without an operator present.

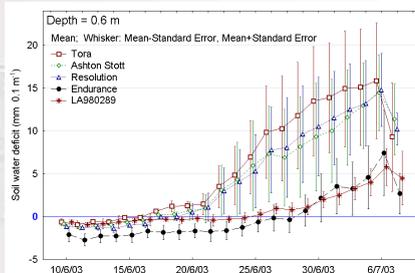
Together with our Data-Maid™ software, the Griffith Elder Lysimeter provides an accurate, invaluable tool for educational and research facilities.

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Data-Maid Software

Recording made easy



Data-Maid software

The Griffith Elder Data-Maid software is a simple program for recording data collected from the load cells.

It records the changes in weights of the plant systems over a period of time according to the setup chosen by the operator at the start of research.

The operator selects the parameters for the report and the information to be shown. Records can be taken of changes in weight distribution over a number of load cells, or of weight changes from individual load cells. Environmental conditions such as temperature and humidity can also be recorded simultaneously, making analysis of weight changes under these conditions easy to monitor and display.

Data-Maid is compatible with all spreadsheets. Information can easily be exported to other programs for further data analysis.



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