

# armfield

## DEMONSTRATION LYSIMETER

**FEL6**  
Provisional

*For the measurement of  
evapotranspiration by the  
water-balance method*



### ORDERING SPECIFICATION

*Lysimeter apparatus comprising:  
base and inner disc to support soil filled  
container and plant, resting on a hydraulic  
sensing device located in the base that is  
connected to a graduated water column  
mounted above the lysimeter; complete  
with spare plant containers, calibration  
weights, user instructions and manual.*

### OVERALL DIMENSIONS

*Height: 1.66m  
Width: 0.48m  
Depth: 0.43m*

### SHIPPING SPECIFICATION

*Volume: 0.6m<sup>3</sup>  
Gross weight: 100kg*

### DESCRIPTION

*The Armfield lysimeter consists of three  
300mm diameter containers in which may  
be placed any soil type and a variety of crop  
types grown. Each container can then in turn  
be placed on a hydraulically mounted plate  
which is used to monitor system weight  
changes arising from evapotranspiration.  
Despite its simplicity, the apparatus has a  
high degree of sensitivity and may be used  
for student project work as well as  
for demonstration purposes.*

### INSTRUCTIONAL CAPABILITIES

*As a result of using this equipment students  
will be able to:-*

- *use lysimeter apparatus.*
- *determine plant water usage.*
- *understand the relationship between  
reference maximum and actual  
transpiration.*

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