# KL2

## **Small Lysimeter**



**∿**UMS

Small-sized stainless-steel lysimeter with ceramic bottom plate. For laboratory studies or in the field as collector for infiltration water. Suitable for monolithic extraction.

Designed for:

- Soil column and pedology research
- Moisture household, water management studies
- Plant-physiological studies

Simulate soil water movements through:

- the soil surface,
- the ceramic plate,
- suction cups.

Execute variable simulations of groundwater levels through the ceramic plate:

- a, The container retains the water for an individual regulation of the groundwater level inside the column.
- b, By additionally applying a negative pressure the simulated groundwater level can be moved downwards.

Items are disassembled when delivery so the monolith can be cut. The bottom of the plate is ceramic wrapped in a tough Butyl rubber backing. A tube connector is attached to the foil.

Possible installation (pictures from top to bottom):

1. The durable stainlesssteel bottomless bucket is driven into the soil for cutting a monolith. 2. The bucket is

excavated, sheared off and turned upside down for preparation.

3. The ceramic plate is assembled.

4. Picture top right: Placing the lysimeter in a bed of fine gravel.









#### **Technical Specifications**

Туре

#### Art. No. KL2

#### **Ceramic plate** 1950B0.5 sampling plate Air entry value 1/2 bar (50 kPa), high flow Flow rate 2 litres per hour at 2 kPa (approx. 28 mm/h) Diameter approx 27 cm Bucket Material Stain-less steel, wall 2 mm 300 mm Inner diameter KL2-300: 300 mm Available heights

KL2-600: 600 mm KL2-1200: 1200 mm

### Items are disassembled when delivered **Delivery includes:**

- Bottomless stainless-steel bucket
- Ceramic plate, attached foil and tube
- Stainless-steel spanner band
- Adhesive sealing tape
- Instructions

Available accessories: Suction cups, miniature suction cups, miniature Tensiometer, weighing cells



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