The Ready-To-Go lysimeter is a small lysimeter station for soil columns with a surface area of up to 0.3 m² and a length of up to 0.9 m that can be fixed by hand or be cut by UGC staff (undisturbed soil monoliths).

It comprises a compact PE-HD lysimeter station with integrated weighing system and seepage water reservoir with tipping counter, a PE-HD lysimeter vessel, a data logger and a set of soil hydrological sensors.

You can choose between different extensions for the control station:
- radial extension with climate sensors
- medial extension for lower boundary system

Everything is prepared to work as plug and play system so that the complete station can be set up and put into operation without any special staff or tools.

The data can be displayed and read out on any PC that is connected to the internet using a data bank system and a server.

Sizes of Ready-To-Go Lysimeters
- per site consisting of:
  - Lysimeter PE-HD outer vessel
  - Stainless steel lysimeter vessel for soil columns
  - Lysimeter collar
  - Load triangle

Sensors:
- Special weighting system
- 5 soil moisture temperature probes SMF-100
- 3 PET plastic tensiometers

Excavation
- Manual
- Extended service UGC GmbH

Control station with climate sensors
- consisting of:
  - Rain gauge
  - Temperature and humidity sensor with protection hub
  - Soil temperature sensor
  - Global radiation sensor

Lower boundary system
- consisting of:
  - Ten tor and Tensi suction probes conditioning
  - Reference sensor
  - Compensating cylinder to add water
  - Suction cup ring consisting of:
    - 5 porous ceramic tubes Ø 10 mm
    - 6 porous ceramic tubes Ø 100/150 mm

Pore water sampling
- manual pore water sampling with handpump
- automatic pump with tension control

Online Data Service
UGC offers a unique online data management system for your measuring systems, customized for your need.
To view various examples, please visit our website www.ugc.de