



Watershed Characterization

The elements of this bundle were chosen to help you nail two tough components of the water balance: storage and deep percolation.

- The drain gauge's elegant design ensures that water will flow through and not around it, giving you accurate deep percolation rate.
- High accuracy water content sensors let you calculate storage from differences in profile water content.
- Adding on a rain gauge gives you the downward "vertical water profile"—incoming, storage, and drainage.

Close Your Water Balance

WITH PRECIPITATION, SOIL STORAGE, AND DEEP DRAINAGE

Get closer to completing the water balance.

Collect the data you need to calculate water input, storage, and drainage in the vadose zone.

Measure deep drainage rather than estimating to reduce errors in water balance calculation

IN THE BOX

Standard Configuration #40525

Water Balance System

Drain Gauge G3

Three, 5TM Soil Moisture Sensors

ECRN-100 High Resolution Rain Gauge

Em50 Data Logger

DataTrac 3 Software

USB Cable

Batteries

Mounting hardware

Printed and electronic documentation

Contact Labcell to add telemetry options.

Drain Gauge G3
Measure deep
drainage with
this thoughtfully
designed passive
capillary
lysimeter.

Three, 5TM Soil Moisture Sensors
Measure water storage using dielectric
water content sensors at different
depths in the profile.

DataTrac 3 Software
Dynamic
graphical
interface brings
data to life.
Organize, graph,
and store data;
view and edit
data in table
format; create
reports and
transfer data to
other DataTrac 3
users.

ECRN-100 High
Resolution Rain Gauge
Measure incoming
water values for water
balance calculations.

Em50 Data Logger
Plug in the sensors, set time
and measurement intervals,
and start logging data. No
programming necessary.

