



Key Features

- Scientific support from partners
- Patented design
- Undisturbed 50 cm soil monolith (sample)
- Sensors in soil monolith
- Infrared sensors for integrated metering
- Local data logging via SDI-12
- Telemetric communications web portal
- Product training
- Installation tools
- Installation service

Rain and snow are visible, but there's another form of water we visually detect evaporation. It's the biggest cause of water loss in almost every area on earth, which makes it important to research. But because it is so difficult to measure, reliable figures on this invisible water loss are lacking.

That's why various knowledge institutes, businesses (including Royal Eijkelkamp) and the government have collaborated to develop the Royal Eijkelkamp Smart Lysimeter. Evaporation figures obtained with the Lysimeter are very valuable for water management.

The monolith is filled with an undisturbed soil sample of 50 cm high and 50 cm in diameter.

Applications

- Climate research
- Agriculture
- Nature management
- Reference measurement for remote sensing
- Scientific research
- Water Boards
- Drinking water companies

Set contains

- Moisture controlled weighing lysimeter
- Field reference tensiometer
- Sheet piling foundation



Specification	
Sample type	Undisturbed
Sample diameter	50 cm
Sample depth	50 cm
Sample volume	98 L
Size	D 83 cm H 98 cm
Weight	100 kg
Product material	RVS 304, plastics, galvanised steel
General	
Measured parameters	Evaporation, rain
Measuring principles	Weighing
Measuring accuracy	0,1 mm evap/rain
Reading accuracy	0,01 mm evap/rain
Maximum force	300 kg
Power supply	Battery/solar
Voltage	12 volts
Data transfer	SDI-12 / USB
Data plug type	M12 circular 4pole male / USB
Waterproof connection	Yes
Type of registration	Telemetric / SDI-12 logger
Programming possibility	Yes
Number of channels	25
Frequency of registration	5 sec...15 min
Alarm type	Software

