



Aardvark Soil Permeability

Automated hydraulic conductivity measurement system

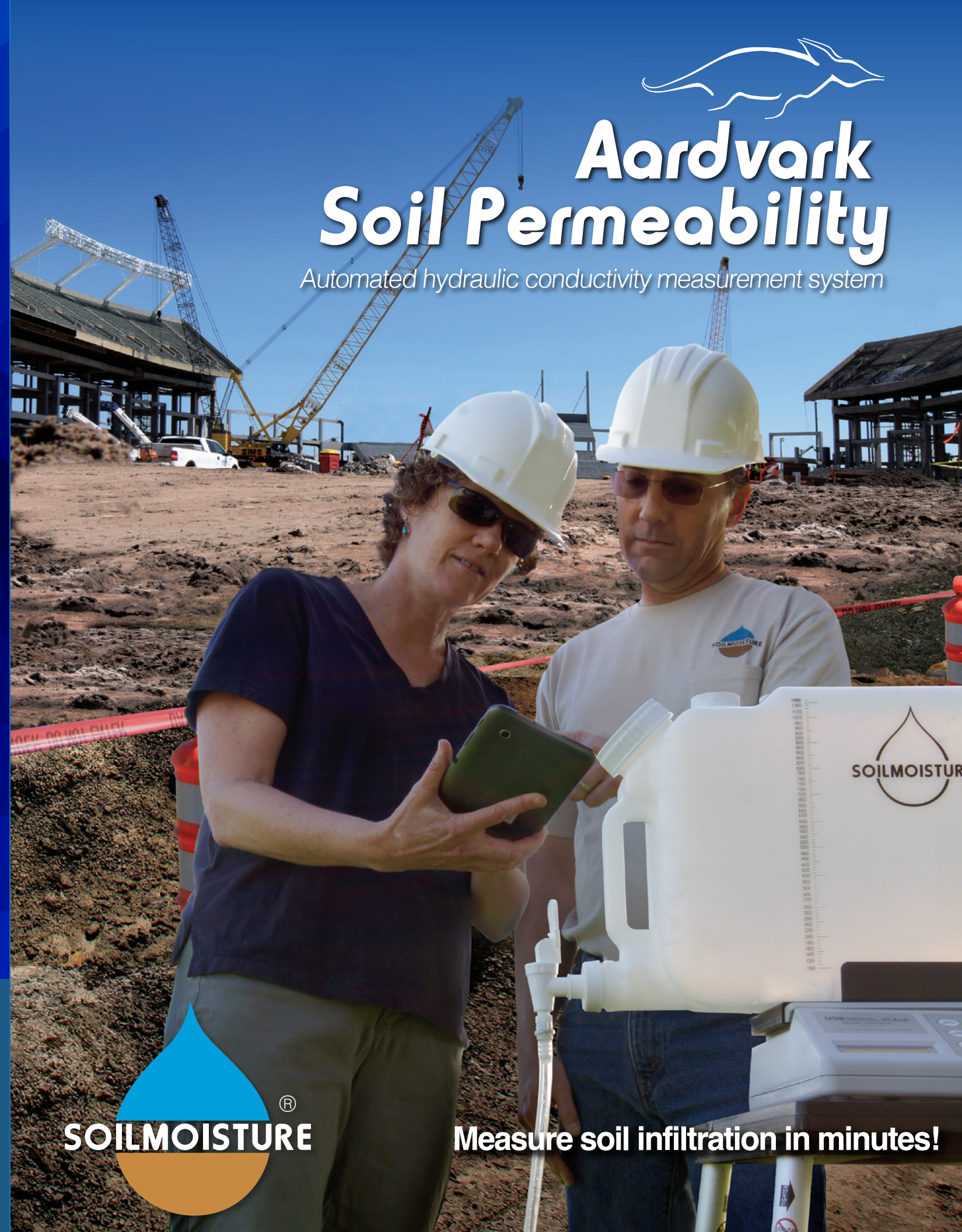


Aardvark Software Measurement Systems

The Aardvark Permeameter software application, available for tablet and PC, allows users to save data from several sites, decide on the time interval between readings, select their soil type for accurate derivation of hydraulic conductivity, and input exact values for depth and borehole size. The program provides real-time graphs and calculations, and exports data (including site information, input parameters, and results) to either Microsoft Excel or as a text file.



801 S. Kellogg Ave. Goleta, CA 93117 Phone: 805.964.3525 • Fax: 805.683.2189
www.soilmoisture.com



Measure soil infiltration in minutes!



SOILMOISTURE

Aardvark Permeameter

- Percolation & Runoff Studies
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- Mining Projects
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- Sanitary Landfills
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Parts Description

- 1 The Aardvark Permeameter Module maintains a constant head in the borehole for accurate measurement.
- 2 The Aardvark Pressure Regulator Unit (sold separately) can be attached for making readings from 15 ft. (3 m) to 50 ft. (15 m) depths.
- 3 The E-Z Fill Water Reservoir stores 2.5 gallons (10 liters), and allows refill during tests without jeopardizing the measurement process.
- 4 The SimplyDATA Digital Scale provides automatic readings at custom time intervals, making the Aardvark Permeameter the least laborious hydraulic conductivity measurement system available!
- 5 The Aardvark Permeameter software can be used on either a 10" PC Tablet (*) or your own Laptop
- 6 The Portable Solar Panel Charger and Battery Pack (sold separately) provide an onsite source of additional power (23Ah). Plug in and charge the battery before heading out, and it will charge in the sun while making your measurements!
- 7 The Aardvark Table assembles easily to keep equipment off the ground and provide a level work surface in the field.
- 8 The HDPE Carrying Case (shown above) protects equipment from damage during transport.

(*) PC Tablet sold separately

Soil Permeability Measurement Systems

The Aardvark Permeameter Kit (2840K1PC), is an easy to use in-hole, constant head permeameter, to quickly and accurately measure in-situ saturated water flow. Equipped with the SimplyDATA Digital Scale and Software Suite, the Aardvark can automatically and accurately evaluate soil hydraulic conductivity and matric flux potential in just about any soil type. This device can read and store data for hours, even while unattended. Tests can go on as long as necessary, thanks to the E-Z Fill Water Reservoir and Portable Solar Panel Charger & Battery Pack. The Aardvark Permeameter Kit comes with the Aardvark Permeameter, SimplyDATA Digital Scale, E-Z Fill Water Reservoir, the Aardvark software application, and an PC tablet. When combined with the Borehole Preparation Kit and Portable Solar Panel Charger and Battery Pack (7210), you can take field measurements anywhere!

Borehole Preparation Kit (0237D06L10)
To ensure proper borehole preparation for the most accurate measurement, Soilmoisture offers a Borehole Preparation Kit to dig a 4-inch (10 cm) diameter borehole down to 10 feet (3 M). The Borehole Preparation Kit includes a 6 cm Loam Soils Auger, 6 cm Sizing Auger, 30" (1 m) length Auger Extension with Coupling Sleeve, Detachable Auger Handle, Well Prep Brush and Carrying bag.

