

## SOIL PERMEABILITY EQUIPMENT

### 2800K1 GUELPH PERMEAMETER

The Guelph Permeameter is an easy to use instrument for quickly and accurately measuring in-situ hydraulic conductivity. Accurate evaluation of soil hydraulic conductivity, soil sorptivity, and matrix flux potential can be made in all types of soils. The equipment can be transported, assembled, and operated easily by one person. Measurements can be made in 1/2 to 2 hours, depending on soil type, and require only about 2.5 liters of water. Measurements can be made in the range of 15 to 75 cm below the soil surface.

The Guelph Permeameter is a complete kit consisting of the permeameter, field tripod, well auger, well preparation and cleanup tools, collapsible water container, and vacuum test hand pump, all packaged in a durable carrying case.

Accessory attachments are available for extending the measurement capability of the permeameter. Depth attachments increase the depth of operation by 80 cm. The maximum practical operating depth is 315 cm. Ring attachments allow ring infiltrometer measurements from 10-cm and 20-cm diameter rings. A tension adapter allows measurements to be made under tensional and very low head conditions.

Ring and tension infiltrometers are also available as stand-alone units, rather than attachments to a Guelph Permeameter unit. The stand-alone units come as kits which include carrying cases and all items necessary to make measurements.

Product No.	Description	Weight
2800K1	GUELPH PERMEAMETER KIT	14.97 kgs

#### Accessories

Product No.	Description	Weight
2800K2	EXTENSION KIT Extends the depth of operation of the 2800K1 by 80 cm	0.48 kgs
2805D10	10 CM RING INFILTRMETER ATTACHMENT Provides extended ability of the 2800K1 to measure permeability and flow conditions using a ring, 10 cm in diameter, for the retained pressure heads. Comes complete with replaceable Cutting Ring, Support Ring, Transparent Cover, and Installation Ring.	2.21 kgs
2805D10K1	10 CM RING INFILTRMETER KIT Complete stand-alone kit includes 2805D10 with Carrying Case, Water Container, and Guelph Permeameter Reservoir.	4.53 kgs
2805D20	20 CM RING INFILTRMETER ATTACHMENT Provides extended ability of the 2800K1 to measure permeability and flow conditions using a ring, 20 cm in diameter, for the retained pressure heads. Provides greater sensitivity to low permeability conditions. Comes complete with replaceable Cutting Ring, Support Ring, Transparent Cover, and Installation Ring.	4.18 kgs
2805D20K1	GUELPH 20 CM RING INFILTRMETER KIT Complete stand-alone kit includes 2805D20 with Carrying Case, Water Container, and Guelph Permeameter Reservoir.	8.16 kgs
2825	TENSION INFILTRMETER ADAPTER Provides extended ability of the 2800K1 to measure permeability and flow under adsorptive, tensional, and very low head conditions. Comes complete with 20 cm diameter Porous Foot, Mariott Bubbler, and Reservoir Connection Tube.	1.53 kgs
2825K1	TENSION INFILTRMETER KIT Complete stand-alone kit includes Tension Foot, Guelph Reservoir Assembly, Carrying Case, Water Container, and filling devices.	6.80 kgs



2800K1, Guelph Permeameter Kit



2805D20, Guelph 20 CM Ring Infiltrometer Attachment



2825K1, Tension Infiltrometer Kit

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**REPLACEMENT PARTS  
SOIL PERMEABILITY EQUIPMENT**

2800K1, Guelph Permeameter Replacement Parts

Product No.	Description	Weight
2800-001CR	WATER OUTLET TIP	0.01 kgs
2800-002	AIR INLET TIP	0.004 kgs
2800-003	AIR RESTRICTION WASHER	0.01 kgs
2800-006	AIR TUBE COUPLING	0.004 kgs
2800-012	WELL HEAD SCALE	0.09 kgs
2800-015	FILL PLUG	0.01 kgs
2800-016	WELL HEIGHT INDICATOR	0.004 kgs
2800-200	AIR TIP SEATING WASHER	0.004 kgs
MSL018	QUICK CONNECT PIN	0.06 kgs
MSL019	PIN LOCKING CLIP	0.01 kgs

2805D10/20, Guelph Pressure Infiltrometer Replacement Parts

Product No.	Description	Weight
2805D10-005	SUPPORT TUBE	0.07 kgs
2805K1	O RING KIT, includes: 1 each M802X153, 1 each M802X148, 2 each M802x020	0.02 kgs

2825K1, Guelph Tension Infiltrometer Replacement Parts

Product No.	Description	Weight
1900-203	VACUUM TUBE	0.02 kgs
2031G2-001	CLAMP RING	0.004 kgs
2080X-XX	STOPPER	0.004 kgs
2800-002	AIR INLET TIP	0.004 kgs
2800-003	AIR RESTRICTION WASHER	0.01 kgs
2800-015	FILL PLUG	0.01 kgs
2800K3-004	SUPPORT TUBE	0.03 kgs
2800K3-100	BUBBLER TUBE ASSEMBLY	0.23 kgs