



# ICT International Pty Ltd

Instrumentation for Soil, Crop & Environmental Monitoring

## Guelph Permeameter References

<http://ictinternational.com.au/guelph.htm>

Adderly, W. P. and I. A. Simpson (2006). '**Soils and Palaeo-climate based Evidence for Irrigation Requirements in Norse Greenland**' *Journal of Archaeological Science* vol. 33, pp. 1666-1679.

American Society for Testing and Materials 1990, '**Standard Guide for Comparison of Field Methods for Determining Hydraulic Conductivity in the Vadose Zone. Designation: D 5126 – 90 (Reapproved 1998)**', American Society for Testing and Materials, Philadelphia, PA.

Australian Standards 1999, '**Method 6.7.3: Soil Strength and Consolidation Tests—Determination of Permeability of a Soil—Constant Head Method using a Flexible Wall Permeameter. AS 1289.6.7.3-1999**', SAI Global.

Azooz, R.H., Arshad, M.A. and Franzluebbers, A.J. 1996, '**Pore Size Distribution and Hydraulic Conductivity Affected by Tillage in Northwestern Canada**', *Soil Science Society of America Journal*, vol. 60, no. 4, pp. 1197-1201.

Bagarello, V. and Iovino, M. 2003, '**Field Testing Parameter Sensitivity of the Two-term Infiltration Equation using Differentiated Linearization**', *Vadose Zone Journal*, vol. 2, pp. 358-367.

Giakoumakis, S.G. and Tsakiris, G.P. 1999, '**Quick Estimation of Hydraulic Conductivity in Unsaturated Sandy Loam Soil**', *Irrigation and Drainage Systems*, vol. 13, pp. 349-359.

Mikulec, V. 2005, '**Impact of Saturated Hydraulic Conductivity of Soils on Numerical Simulation of Soil Water Movement**', in *Monitoring and Modelling the Properties of Soil as a Porous Medium*, eds W.M. Skierucha and R.T. Walczak, Institute of Agrophysics PAS, Lublin, pp. 86-94.

Murray, C.J., Ward, A.L. and Wilson, J.L. 2007, '**Influence of Clastic Dikes on Vertical Migration of Contaminants at the Hanford Site**', *Vadose Zone Journal*, vol. 6, pp. 959-970.

Rasmussen, T.C., Baldwin Jr., R.H., Dowd, J.F. and Williams, A.G. 2000, '**Tracer vs. Pressure Wave Velocities through Unsaturated Saprolite**', *Soil Science Society of America Journal*, vol. 64, pp. 75-85.

Reynolds, W.D. and Zebchuk, W.D. 1996, '**Hydraulic Conductivity in a Clay Soil: Two Measurement Techniques and Spatial Characterization**', *Soil Science Society of America Journal*, vol. 60, pp. 1679-1685.

---

ICT International Pty Ltd

PO Box 503 Armidale NSW 2350 Australia ABN: 75002372554

Phone: 61 2 6772 6770 Fax: 61 2 6772 7616

E-mail: [sales@ictinternational.com.au](mailto:sales@ictinternational.com.au)

Starr, J.L., Sadeghi, A.M. and Pachepsky, Y.A. 2005, '**Monitoring and Modeling Lateral Transport through a Large In Situ Chamber**', *Soil Science Society of America Journal*, vol. 69, pp. 1871-1880.

Xiang, J., Scanlon, B.R., Mullican III, W.F., Chen, L. and Goldsmith, R.S. 1997, '**A Multistep Constant-head Borehole Test to Determine Field Saturated Hydraulic Conductivity of Layered Soils**', *Advances in Water Resources*, vol. 20, no. 1, pp. 45-57.