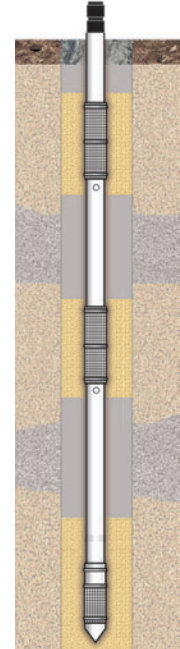


## Comparing Solinst Waterloo and CMT Multilevel Groundwater Monitoring Systems



*The benefits of depth discrete monitoring have been known for years.  
Which Solinst system will suit your application?*

### The Waterloo System (Since 1984)

Waterloo Systems have a modular design that gives excellent site and application flexibility, allowing placement of ports and packers to suit borehole logs. The engineered seals and dedicated sampling and level monitoring capabilities have been used to depths of 1000 ft (300 m). They are ideal for long-term monitoring in bedrock and cased boreholes.

### The CMT System (Since 1999)

CMT offers in-field design flexibility, low cost and is easy to install. The number of monitoring ports, port locations, install depths, and monitoring strategy, can all be accommodated and designed right in the field. The single tube offers effective sealing. The 7-Channel System is 1.7" (43 mm) and the 3-Channel is 1.1" (28 mm). They are ideal for shallow applications in narrow diameter boreholes.

	Waterloo	CMT
<b>Ideal Depth</b>	100 ft - 1000 ft (30 m - 300 m)	20 ft - 150 ft (6 m - 50 m)
<b>Typical Borehole</b>		
Overburden	>5" (12.5 cm) dia.	> 3.25" (8.3 cm) dia. (direct push, hollow stem auger, sonic drilling)
Bedrock	3" (7.6 cm) to 4" (10 cm) dia.	>3.25" (8.3 cm) dia.
<b>Isolating Zones</b>		
Engineered Packers	✓	3-Channel
Layers of Sand and Bentonite	✓	✓
Direct Burial	✓	✓
<b>Max # of Sampling Zones</b>	24	7
<b>Soil Gas Monitoring</b>	✓	✓
<b>Measuring Depth to Water</b>		
<20 ft (6 m) below ground	102 Water Level Meter	102 Water Level Meter
>20 ft (6 m) below ground	102 Water Level Meter or Pressure Transducer	102 Water Level Meter
<b>Groundwater Sampling</b>		
Dedicated	- Bladder Pump - 5/8" DVP	- 1/4" Mini Inertial Pump - 3/8" DVP
Portable	- Peristaltic Pump - 1/4" Mini Inertial Pump - 3/8" Micro DVP	- Peristaltic Pump - 1/4" Mini Inertial Pump - 3/8" Micro DVP

Solinst and CMT are registered trademarks of Solinst Canada Ltd.

Printed in Canada  
March 8, 2010

**For further information contact: Solinst Canada Ltd.**  
 Fax: +1 (905) 873-1992; (800) 516-9081 Tel: +1 (905) 873-2255; (800) 661-2023  
 35 Todd Road, Georgetown, Ontario Canada L7G 4R8  
 Web Site: [www.solinst.com](http://www.solinst.com) E-mail: [instruments@solinst.com](mailto:instruments@solinst.com)