

ZEBRA

working hard since 1992 providing the latest in DPT services to environmental professionals.

Hydraulic Profiling Tool (HPT)

The Hydraulic Profiling Tool (HPT) allows the user to create fast, continuous real-time profiles of soil hydraulic properties in both fine and coarse-grained material. The HPT uses a sensitive, downhole transducer to measure the pressure response of the soil to injection of water. One primary use of this tool is to locate and define preferential migration pathways for contaminants in the subsurface. It can also be used to target zones for injection of remediation material. In addition, the HPT can be used to select well screen intervals, evaluate locations to conduct slug tests, and measure static water conditions across a site.

Features

- Fast, continuous, real-time profiling of soil hydraulic properties
- Use in both fine- and coarse-grained material
- Use in both saturated and unsaturated conditions
- Built to withstand percussion driving
- Collects static water level data
- Provides a simultaneous log of electrical conductivity with integrated Wenner array
- Sensitive, downhole transducer measures pressure response of soil to injection of water
- Parameters are displayed and stored on the field instrument for future analysis



FC5000 Field Instrument (top)
K6000 HPT Controller and HPT Probe

