



July 5, 2011

Press Release

MANTECH Introduces Automated Septum Piercing to Fully Protect Samples and Automate pH, Conductivity, Alkalinity and Color

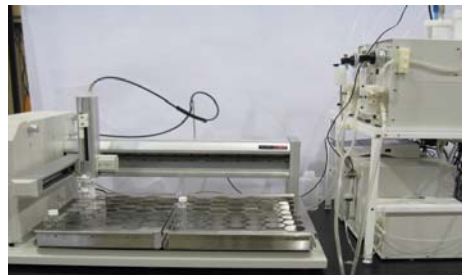
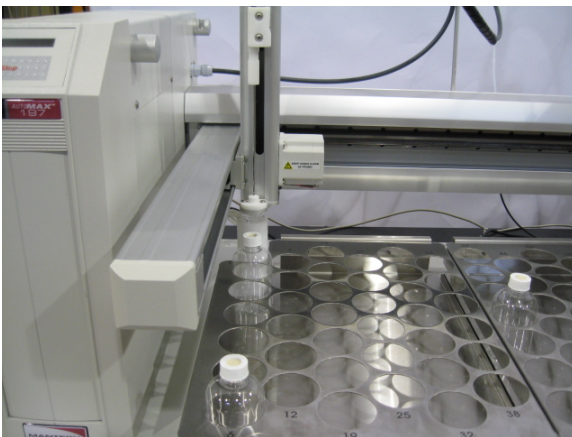
MANTECH INC. is a leading manufacturer of automated multi-parameter, titration, BOD and COD laboratory instruments. MANTECH has introduced the capability to fully protect a sample with its new septum piercing capability. This is a first for multi-parameter systems with titration. Samples are collected in the field and sealed with zero headspace using a tight septum cap.

Environmental laboratories, challenged with ever increasing challenges for human and environmental protection, are analyzing more potable, surface and ground waters than ever before. The importance to the health of flora and fauna which is critical to the delicate balance of the parameters of the lake water plus lake water is used as drinking water. These analyses, in pristine lakes and rivers, require the utmost care and dedication to quality results. The highest quality results are generated from samples that are collected with zero headspace and never handled by a chemist. This means the sample is collected and sealed in container and placed direct onto the MANTECH system without handling, without even opening the cap.

By utilizing sample containers with septum caps, MANTECH's new septum piercing capability will pierce the cap when it is time for analysis and automatically analyze multiple parameters including pH, conductivity, alkalinity and color. The capacity of the AutoMax sampler is dependant upon the sample container used. To date up to 77 samples have been successfully automated. Additional parameters that may be automated include turbidity, dissolved oxygen, ammonia, chloride and hardness.

The MANTECH automated analysis of pH, conductivity, alkalinity and color from a septum sealed container has the following advantages:

- Automated septum piercing
 - The sample is fully protected
 - Eliminates evaporation, absorption and contamination
 - Produces the highest quality results possible
- Up to 10 parameters from a single sample!
- Automatically separates conductivity from the pH measurement utilizing MANTECH's RapidDuo technology.
- Capability to pick only the parameters required for a sample, therefore, increasing throughput speed
- Utilizes MANTECH's TitrSip SA technology, verified though the US EPA's Environmental Technology (ETV) Program
- Follows EPA approved APHA methods
- Quick and effective rinsing through MANTECH's IntelliRinse™ System.
- Automatically speciates and reports alkalinity in terms of total alkalinity, p-alkalinity, hydroxide, bicarbonate and carbonate
- Capability to add priority samples as required.
- Easily add samples to the queue as they come in.
- Runs unattended, even overnight.
 - Load the samples and walk away!
- Autocalibrations and automated QC checks for all parameters.
- Accurate, precise and a complete audit trail.
- PROVEN!



MANTECH continues in its tradition of delivering innovative products and valued solutions for environmental laboratories.

The MANTECH solution for automated pH, EC, alkalinity and color from a septum sealed container is a rugged, durable system generating accurate and precise results that stand the test of time.

Information links:

- <http://www.mantech-inc.com/analytical/PC-Titrate.asp>
- <http://www.mantech-inc.com/analytical/AutomaxAutosampler.asp>
- <http://www.mantech-inc.com/analytical/SampleProtect%20.asp>
- <http://www.mantech-inc.com/analytical/IntelliRinse.asp>
- <http://www.mantech-inc.com/analytical/secure/Application%20Bulletins%202008/Application%20Bulletin%209%20Rapid%20Multiparameter%20Analysis%20of%20Conductivity,%20Alkalinity,%20pH,%20Fluoride,%20Color%20and%20Turbidity.pdf>