

TitraSip™ Systems

Multi-parameter Systems for Environmental Laboratories



TitraSip™ SA is the only titration equipment verified by the US EPA ETV program.

Ideal for municipal labs, effluent testing labs, environmental testing labs and more.

In a typical Environmental Laboratory, a sample is received, logged, and parameters required for analysis are recorded. A typical sample may require 20 different parameters, inorganic and organic, with different holding times and multiple stations/instruments required for analysis. This sample is then handled many different times, by different operators logging analysis data manually, automated or both, depending upon the station and instrument. Add to this the bench space required to locate these stations/instruments, and the overhead cost is large for even the simplest of analyses.

ManTech understands the concerns associated with sample handling and data logging. With our experience in inorganic environmental analysis, we have developed the TitraSip SA which will fulfill these needs for small and large environmental laboratories alike.

With the TitraSip SA, the sample will only be handled once for 210 inorganic parameters such as pH, conductivity, alkalinity, turbidity, ammonia, chloride, chlorine, color, etc. The data is automatically transferred and transcription errors are eliminated. Since the system is easy-to-use and sample handling is reduced, holding times are kept to a minimum. The total bench space is only 21" (excluding the computer) for the TitraSip SA multiparameter system.

ManTech understands that calibrations are time-consuming and as a result, we developed the SmartCal™ system add-on for prescheduled, unattended calibrations. Imagine, SmartCal has started to prime the pumps, rinse the system and the SmartCal calibrates all probes and devices before you start your day. You arrive in the laboratory and simply review the calibrations. TitraSip SA highlights any calibration that failed and will even perform the calibration twice with any failure before notification if you like.

The TitraSip SA System was originally developed for laboratories following EPA approved methods, but the unique sample analysis scheduling feature allows it to be easily used in a near line setting. For the first time, a water plant may use the identical system used by a laboratory following EPA methods. The City of Fort Wayne, Indiana fully realized the benefit of this and quickly adopted the technology for laboratory and near line plant use. It has saved thousands of dollars and the results are directly comparable. Add to this the ManTech automated stream selection (5 stream analyses from one TitraSip SA) and the TitraSip SA may perform analyses for up to 9 different process streams from one instrument. In addition, the US EPA through the City of Cincinnati evaluated 2 TitraSip SA Systems with the SmartCal system. This gave the TitraSip SA the valuable US EPA's Environmental Technology Verification (ETV) statement. These systems ran unattended, analyzing samples for 5 different parameters every 30 minutes plus primed and calibrated the system every morning at 9am. The operators loved it!

There are many reasons to invest in the TitraSip SA for environmental laboratories. Be assured, once you invest in the TitraSip SA, results will be quicker, accurate, more precise and the lab will run more efficiently.

Choose the parameters your lab requires and a system is configured specifically for you... it's truly the perfect fit. As needs arise, additional parameters and automation may be added.

ETV 
www.epa.gov/etv

