

Now Available

# Advanced Level Analytical Training

## Analytical Measurements in Water & Wastewater

### The Training Module :

- Introduction Measurement Technologies
- Deep dive on Ion Selective Electrodes
- Introduction to Heavy Metal Analysis
- UV Absorption, SAC & Multi-Scan Technology
- COD Determination with Optical Correlation
- Streaming Current Analysis & Coagulant Dose Control
- Particle Charge Analysis and Jar Test
- Algorithm Development , enhanced PID Control
- Practical Examples and Case Studies



Laminated Spring Bound Training guides are provided to facilitate the training and use as a reference guide. ( 3 copies but more available on request. )

### Topic of Measurement and Sensors Covered:

- UV Absorption with SAC254nm and multi-scan / multi wavelength spectral analysis
- Determination of Values and Best fit Calibration for Optical Correlation of COD, TOC, DOC and BOD
- Practical Installations of Optical Sensors to Determine WWTP Load variances,
- Practical Installations of Discharge Analyzer Systems to Optimize the Process
- Measurement of Arsenic, Lead, Aluminum, Fluoride and other heavy metals in water.
- Streaming Current Analyzer and practical implementation for drinking water application
- Coagulant Dose Control and best practice to determine output signal for wide variance in raw water quality
- Particle Charge Analysis / Jar Test for Bench top reference of coagulant dose rate.



CONCEPT SOLUTIONS

Scheduling Availability  
within 2-3 weeks

