SERVICE

In addition to LAR's 12-month warranty on parts and labor, LAR, LLC offers it's customers quarterly and biannual maintenance contracts. Customers with maintenance contracts benefit from significantly discounted maintenance and repair when compared to on-demand service. Call LAR, LLC today to find out how our factory-authorized service technicians can help you achieve the greatest possible benefit from your investment.

QuickREPLY

Please send me information on the following products:

| TOC pH Sus | p. Solids Respirometry (lab) |
|-----------------------------------|--------------------------------|
| COD ORP Am | monium Respirometry (portable) |
| □BOD □DO □Nitr | rate Sludge Controller |
| ☐ TNb ☐ Chlorine ☐ Conductivity | |
| Toxicity Turbidity Other | |
| First | Last |
| Title | |
| Organization | |
| | |
| Street Address | |
| City | State / Prov. |
| Country | Postal Code |
| Phone | Fax |
| E-mail | |
| I WORK IN THE FOLLOWING INDUSTRY: | |
| A&E Firm | Meat Processing |
| Airport Deicing | PetroChemical |
| Beverage | Petroleum Refining |
| Biotechnology | Pharmaceutical |
| Brewing | Power |
| Chemicals Distilled Spirits | Pulp and Paper Semiconductor |
| Distilled Spirits Drinking Water | Starch |
| Dairy | Sweeteners |
| Edible Oils | Wastewater |
| Food Processing | Other: |

Call us at (262) 429-1310, fax to (262) 429-1313 or send e-mail to Marketing@larllc.com



Instrumentation for:



- ▲ TOC
- ▲ COD / TOD
- ▲ Total Nitrogen
- ▲ BOD
- ▲ pH/ORP
- **▲** Conductivity
- ▲ Dissolved Oxygen
- **▲ Turbidity**
- **▲** Suspended Solids
- ▲ Chlorine
 (Free, Total, Combined)
- **▲** Chlorine Dioxide
- **▲** Peracetic Acid
- ▲ Ozone

- ▲ Respiration (OUR/SOUR)
- ▲ MLSS
- ▲ TSS of settlement supernatant
- ▲ Settlement Test
- ▲ SVI / SSVI of settlement test
- ▲ Carbonaceous bacteria %
- ▲ Carbonaceous bacteria health
- ▲ Nitrification bacteria %
- ▲ Nitrification bacteria health
- ▲ Critical Carbonaceous DO
- ▲ Critical Nitrification DO
- ▲ Ammonium
- ▲ Nitrate
- ▲ Toxicity

INSTRUMENTATION FOR WATER, WASTEWATER & PROCESS INDUSTRIES

online monitoring and process control can improve your organization's bottom line through optimized efficiency and reduced waste while alerting plant operators to non-compliant influent or discharge.

Liquid Analytical Resource, LLC has demonstrated expertise through hundreds of installations serving many process industries, including...

Airport Deicing

Food and Beverage

Chemical

Petrochemical

Petroleum Refining

Drinking Water

Sweeteners

Starch & Edible Oils

Pulp and Paper

Pharmaceutical

Biotechnology

Power

Semiconductor

Municipal Wastewater

Industrial Wastewater

... Many Others!





Ochemitec

TOC, COD/TOD, TNb, BOD



QuickTOCultra QuickCODultra





High Temperature Combustion

LAR AG's online analyzers for TOC and COD use combustion at 1200°C for accurate measurements without reagents in only 1 minute (TC) or 3-minutes (TOC / COD). LAR's filter-free sampling provides truly representative results in water ranging from high purity to viscous waste streams. Configurations are available for up to 6-streams, and a single analyzer can be configured for TOC, COD and total nitrogen. Enclosures are available for IP53, NEMA 4X, Class I Div II or Zone 2. LAR's combustion analyzers are engineered for low maintenance and low operating cost.

*Our bench-scaled systems are ideal for your laboratory!

QuickTOC_{ultra}

- ▲ EPA Method 415.1
- ▲ TOC. TIC or TC
- ▲ 10ppb to 50,000 ppm
- ▲ 1-minute TC, 3-min, TOC

QuickCOD.

- ▲ ASTM-Method D6238-98
- ▲ 3 minute COD/TOD
- ▲ 1 to 200,000 mg/L COD
- ▲ No Toxic Reagents needed

Elox 100

QuickTOCuv

BioMonitor

Chemical Analytical Methods

LAR's **ELOX-series** provides 2-minute COD.

- ▲ Ranges from 1 to 100,000 mg/L COD
- ▲ No hazardous reagents
- ▲ 2-channel option for multi-point COD

UV-Persulfate TOC

LAR's QuickTOC uv provides continuous TOC/DOC analysis down to 0.1 mg/L for ultrapure and clean water applications.

Rapid, Continuous, On-line BOD

LAR's **BioMonitor** measures BOD online with a high correlation to BOD₆. Using your sludge and effluent, the 4-vessel cascade reactor duplicates your sludge plant. The BioMonitor metabolizes organics in 3 to 4 minutes and detects deviations in strength of influent.

- ▲ Range: 1 200,000 mg/L BOD
- ▲ High correlation to BOD₆
- ▲ Results in only 3-4 minutes
- ▲ Concurrent sludge & BOD monitor

RESPIROMETRY



In-Situ Respirometry - and so much more!

The **ASPCON** provides a wealth of knowledge-based control options in activated sludge. The world's only in-situ respirometer, this multi-parameter probe also offers many other supporting measurements. Running on a Windows platform, simple menus provide flexibility and ease of use. This fully integrated system is engineered to be self-cleaning and auto-calibrating for months of unattended operation.

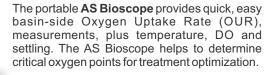
Laboratory Respirometer



Strathkelvin's Strathtox is a fully integrated laboratory-scale respirometer for measurement. control and logging in activated sludge plants. The easy-to-use software provides automated, graphed results in ten minutes or less.

The **Strathtox** measures toxicity (respiration inhibition, nitrification inhibition), aeration efficiency, sludge health and BOD.

Portable Respirometry



The newly re-designed AS Bioscope is tabletbased, operating with MS Windows® for easy USB data transfer. The AS Bioscope is Bluetooth-enabled for wireless communication between the sensors and the tablet.

- ▲ Toxicity Management
- ▲ Process Optimization
- ▲ Rapid testing of tanker waste
- ▲ Pilot plant monitoring
- ▲ Nutrient Feed Optimization
- ▲ Nitrification Management

ONLINE ANALYTICAL INSTRUMENTS

LIQUID ANALYSIS FOR:

- ▲ pH/ORP
- ▲ Differential pH/ORP
- ▲ Contacting Conductivity
- ▲ Inductive Conductivity ▲ Dissolved Oxygen
- ▲ Turbidity
- ▲ Suspended Solids
- Peracetic Acid ▲ Free Chlorine
- ▲ Total Chlorine
- ▲ Combined Chlorine
- ▲ Chlorine Dioxide
- Ozone
- ▲ Ammonium ▲ Nitrate

LAR, LLC is the Exclusive North American Supplier for the Extensive Line of Chemitec Analytical Instruments

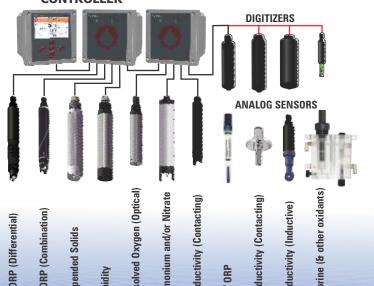
Chemitec offers a comprehensive - and growing - family of sensors and controllers for online measurement in municipal and industrial water and wastewater. Ease of use is assured through simple menus, standard RS485 sensor connection, and built-in plug-andplay sensor recognition. The strong digital signal enables cable lengths up to 300 meters, and a family of digitizers enables the series 50 controller to be used with analog or third-party probes.

While Chemitec's systems are easy to set up and use, they don't skimp on features. These systems feature multiple analog and digital inputs and outputs, and even provide advanced PID control

Whether your application is routine, or highly sophisticated, Chemitec has solutions for most markets and applications.

Chemitec Sensors & Plug-and-Play Probes

SERIES 50 CONTROLLER





APPLY POSTAGE HERE



