

# Waste Water & Enviro Analyzers

## L400 & L500 Series

Introducing Liquid Analysis Systems' next generation of Online Chemical Analyzers, providing real-time, true titrametric analysis of chemical contaminants such as:

Analyte Examples			
Cations		Anions	Other
Cu <sup>2+</sup>	Pb <sup>2+</sup>	Cl <sup>-</sup>	pH
Ni <sup>2+</sup>	Sn <sup>2+</sup>	SO <sub>4</sub> <sup>2-</sup>	Acidity
Na <sup>+</sup>	Fe <sup>2+</sup>	NO <sub>3</sub> <sup>-</sup>	Alkalinity
Zn <sup>2+</sup>	K <sup>+</sup>	PO <sub>4</sub> <sup>3-</sup>	H <sub>2</sub> O <sub>2</sub>
Al <sup>3+</sup>	Ag <sup>+</sup>	CN <sup>-</sup>	PAA
Cr <sup>6+</sup>	B <sup>3+</sup>	F <sup>-</sup>	Hypophos.
Cr <sup>3+</sup>		SO <sub>3</sub> <sup>2-</sup>	Thio

For use in:

### Industrial Waste Steams

» Heavy metals, phosphates, pH

### Flue Gas Neutralization

» Amine, NaOH, KOH, sulphite scrubbing

### Municipal Waste Treatment

» Chlorination, de-chlorination & sulfites

### Pulp & Paper

» Bleaching, chlorine substitutes

### Drinking Water

» Nitrates, heavy metals

### Metal Recovery Monitoring

» Resin bed monitoring.

Built to withstand the harshest environments, the **L400 & L500 Series Analyzers** continue 30 years experience in providing monitoring and control of effluent and process water. Liquid Analysis Systems' L400 & L500 series chemical analyzers perform dependable titrametric analyses, providing accurate concentrations of difficult to monitor chemical contaminants.

#### Standard Features:

- Sampling: Filter free for particles < 6mm, auto back-flushing sample lines  
Draws sample from up to 200 ft. distance
- Reporting: Analog and relay (4-20 mA & Alarm Relays),
- Control: Digital communications (Serial, Ethernet, and Modem)
- Software: Configurable, recipe driven analyses, Windows PC interface
- Probes: Pt electrodes have no maintenance, calibration and drift are eliminated
- End point: Differential potentiometric detection eliminates calibration

#### Application Specific Features (Optional):

- » Single or Multi parameter analysis
- » Single or multi-source sampling up to 15 points
- » Grab sample port
- » Replenishment control for metering pumps
- » Sensor options: pH, ORP, ISE, temperature & turbidity

#### L400 & L500 Series Applications:

The L400 and L500 series analyzers combine to form complete solutions for monitoring, closed-loop control, and chemical process automation. These include automated sampling systems, replicated analyses, verified replenishments, auto calibration, remote analyzer start/stop, customized controls and I/O, local and remote reports, graphical and tabular history, process range and analyzer diagnostic alarms. Analyses and I/O are pre-programmed to meet customer-specific requirements, but are configurable for long-term flexibility.



Liquid Analysis Systems

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