



CNSolution™ 9310

On-line Cyanide Analyzer

Features, Advantages, & Benefits

- FEATURE:** *Utilizes Flow Injection Analysis, Gas Diffusion Amperometry Technique in U.S. EPA Method OIA-1677 and ASTM D 6888-09.*
- ADVANTAGE:** This technique has been demonstrated to be free of interferences in precious metal ore solutions.
- BENEFIT:** Provides accurate measurement of cyanide necessary for process control without the need of external calibration using laboratory analysis.
- FEATURE:** *Analyzer can be operated over three measurement ranges; 0.2 to 50 ppm, 2.0 to 500 ppm, and 20 to 2,000 ppm CN.*
- ADVANTAGE:** Allows analyzers to be deployed at key points in the cyanidation process for accurate measurement and control of cyanide levels in different unit operations.
- BENEFIT:** Tighter control of cyanide usage and cyanide detoxification significantly reduces mill operating costs.
- FEATURE:** *Color Touch Screen Display with Windows® CE-based Operator Interface*
- ADVANTAGE:** Simplifies instrument set-up, and access to data, trending and diagnostic information.
- BENEFIT:** Operator can view the same data and information at point-of-use that is transmitted to a LAN network system.
- FEATURE:** *Compact NEMA 4X/IEC Class IP-56 Instrument Enclosure*
- ADVANTAGE:** Electronic components are protected in water-tight, dust-tight compartment, with fluid components inside a separate compartment with a locking hinged door.
- BENEFIT:** Allows analyzer to be installed and operated in process environments.

FEATURE:	<i>Gas Diffusion Separation and Amperometric Detection</i>
ADVANTAGE:	Selectively separates CN ⁻ from the matrix and detects without interference.
BENEFIT:	Eliminates false readings that compromise effective process control.
 FEATURE:	 <i>On-board Micro-fluidic Pumps</i>
ADVANTAGE:	Enables continuous calibration verification and analysis of multiple streams.
BENEFIT:	Continuous calibration/verification ensures that results are not just a trend, but are truly representative of the actual cyanide concentration.
 FEATURE:	 <i>Analyzer Displays Results (Cyanide Concentration and Peak Traces) in Real-time</i>
ADVANTAGE:	Provides operator with simple visual check of cyanide level.
BENEFIT:	Rapid assessment.
 FEATURE:	 <i>Single Piece Zero-maintenance Reference Electrode</i>
ADVANTAGE:	Eliminates the need to disassemble, clean, refill with reference solution, and reassemble a multi-piece electrode in the field.
BENEFIT:	Simplifies instrument maintenance.



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