



better analysis counts



XOS Clora Product Selector

Precise determination of chlorine in petroleum is critical during refining processes. Chlorine may poison expensive catalysts and may lead to corrosion in overhead or reactor effluent systems. XOS Clora[®] analyzers offer breakthrough analytical solutions for the determination of chlorine in liquid hydrocarbon samples such as **aromatics, distillates, heavy fuels, and aqueous solutions.**



Laboratory Measurement: 30-900 seconds	X	X	
Continuous On-line Measurement			X
Hydrocarbon and Aqueous Samples	X	X	X
Catalysts Analysis Available	X		
Particle Settling Compensation	X		X
Pure Chemicals		X	
ASTM D7536 Compliant	X	X	X
Accu-Cell Available	X		
Auto-Sampler Available	X		
LOD: 0.2 ppm in hydrocarbons 0.5 ppm in aqueous samples			X
0.13 ppm in hydrocarbons 0.3 ppm in aqueous samples	X		
0.07 ppm in hydrocarbons 0.2 ppm in aqueous samples		X	



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Clora
Chlorine Analyzer

Clora is the flagship chlorine analyzer from XOS, providing the most options to fit the needs of refineries, third party labs, and pipeline terminals. Clora provides sub-ppm analysis of total chlorine for hydrocarbons and aqueous samples. Clora can be configured with Accu-flow® to manage particle settling effects that can bias static measurements. Other options include auto-sampler for high sample throughput, extended dynamic range, catalyst analysis, and Accu-cell for the fast, easy sample preparation and analysis.



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Clora 2XP
Chlorine Analyzer

Clora 2XP is the latest development in chlorine analysis from XOS, providing the most cutting edge technology for refineries and third party labs. Clora 2XP provides chlorine detection of .07 ppm wt. total chlorine for hydrocarbons and .02 ppm wt. for aqueous samples. Clora 2XP provides fast, easy analysis for refineries that need to measure total chlorine in specialty chemicals or are looking to minimize the effects of corrosion caused by chlorides that escape the desalter. The Clora 2XP was designed for customers looking to extend the time between refinery turnarounds and to reduce the large costs associated with chloride corrosion.



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Clora
Chlorine On-Line Analyzer

Clora On-Line represents a breakthrough technology for the monitoring of chlorine in process streams. Continuous monitoring ensures that the presence of undesaltable organic chlorides or process events leading to the release of inorganic chlorides to the atmospheric tower are identified. The Clora On-Line is insensitive to sample temperature changes and requires no combustion or sample conversion providing a safe, low maintenance option for monitoring both hydrocarbon and aqueous process streams. The instrument can be provide with multi-stream analysis and auto-validation capabilities.