

ChemScan[®]

PROCESS ANALYZERS

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ChemScan[®] Method Summary #151 Oil-in-Water

Background

Detection of oil-in-water is often performed to monitor wastewater treatment processes, recirculating cooling water, closed loop cooling water and certain industrial processes.

ChemScan Analysis Technique

Oil and petroleum products tend to have strong light absorbance characteristics in the ultraviolet wavelength range, while pure water is transparent in the ultraviolet range. Two ChemScan analyzers are available for direct analysis of oil-in-water. The ChemScan UV-3150 will perform a full spectrum analysis and can be used to monitor up to eight sample points. The ChemScan UV-0254 will continuously monitor a single sample point using a detection wavelength and a second wavelength to compensate for turbidity. Both analyzers will automatically zero and self clean and will provide analog outputs and alarms.

ChemScan also has analyzers that will detect oil-in-water plus other chemical or optical parameters.