

# Class I, Division 2 Rated Sensors

IQ SENSORNET SENSORS FOR HAZARDOUS LOCATIONS



**Optimize your process and reduce the potential of fire or explosion in hazardous locations at wastewater treatment facilities.**

Many wastewater treatment facilities require CID2 sensors to comply with NFPA Standard 820, which establishes minimum fire and explosion protection requirements. CID2 rated sensors reduce the effects of fire or explosion at wastewater collection, transportation and treatment facilities.

**YSI's IQ SensorNet** offers four sensors that are certified for use in CID2 areas and conform with NFPA Standard 820. Parameters depend on the sensor but include pH, ORP, Ammonium, Nitrate, Potassium, Chloride, Dissolved Oxygen (DO), TSS, and Temperature. IQ SensorNet is the only networked water quality monitoring system available that can measure ammonium and nitrate in CID2 rated areas.

IQ SensorNet is a network of online controllers and sensors designed for process monitoring and control. Continuously monitor water quality throughout the wastewater treatment process, increasing operational efficiency, lowering operating costs, and improving performance.



**IQ SensorNet's Class I, Division 2 (CID2) rated sensors conform with NFPA standard 820, groups A, B, C, D, and T6.**



a xylem brand

# IQ SensorNet Sensors for Hazardous Locations

CLASS I, DIVISION 2 (CID2) RATED SENSORS

GUIDE XA00195

FDO <sup>®</sup> 700/701 IQ H	VARiON <sup>®</sup> 700 IQ H	SensoSlyt <sup>®</sup> 700 IQ H	ViSolid <sup>®</sup> 700 IQ
<p>Optical probe for continuous DO monitoring that helps optimize aeration systems and lower energy costs.</p> 	<p>Ion selective electrode (ISE) probe for measuring ammonium and nitrate, plus one compensation electrode.</p> 	<p>Digital probe for continuous monitoring of pH or ORP. SensCheck function monitors for membrane breakage.</p> 	<p>Reflectance-based TSS probe designed for monitoring MLSS, RAS, WAS, primary sludge, and thickened sludge.</p> 
Measures			
DO, Temperature	Ammonium and Nitrate, Potassium or Chloride	pH or ORP, Temperature	Total Suspended Solids (TSS)
<p><a href="http://YSI.com/FDO">YSI.com/FDO</a> for more information</p>	<p><a href="http://YSI.com/VARiON">YSI.com/VARiON</a> for more information</p>	<p><a href="http://YSI.com/SensoSlyt">YSI.com/SensoSlyt</a> for more information</p>	<p><a href="http://YSI.com/ViSolid">YSI.com/ViSolid</a> for more information</p>

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YSI  
Municipal  
Water



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