

A Novel Approach to
pH, ORP & Ion Selective Industrial
Sensor Design and Manufacture -
Application Oriented IOTRON™
Customized Analytical Sensors

Advanced Sensor Technologies, Inc. (ASTI)

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Revision - April 2004 – SECTION I ONLY - INTRODUCTION

This Presentation Shall Consist
of Four Main Sections:

I: Introduction to ASTI

II: Case Studies - Application Bulletins

III: Sensor Design Overview

IV: Contacting ASTI about your
Application

I: Introduction to ASTI

Thank you for your interest in Advanced Sensor Technologies.
ASTI is an electrochemical sensor manufacturer that specializes in difficult pH and
ORP process measurements and online ion selective systems.

ASTI

INTEGRATED ELECTROCHEMICAL SENSORS
For pH, ORP and Ion Selective Measurements



Unlike most sensor manufacturers,
ASTI is an application oriented engineered products company.
Our products are specifically designed for your process application, and fabricated to retrofit to your existing installation style and instrumentation.

ASTI

INTEGRATED ELECTROCHEMICAL SENSORS
For pH, ORP and Ion Selective Measurements



ASTI offers customized products at highly competitive prices while significantly elongating sensor lifetime through our application specific engineering approach. Our unique proprietary conductive plastics and solid state sensing elements enable us to perform well in process applications that have been abandoned by other manufacturers.

Immersion pH/ORP Sensors



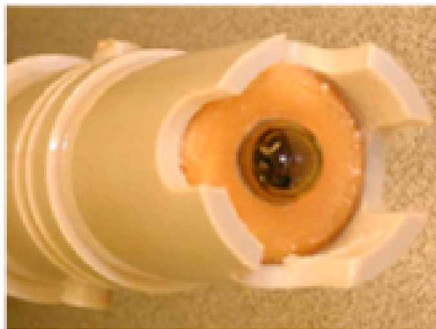
Ion Selective



Instrumentation



Twist Lock pH/ORP Sensors



Valve Retractable



Sanitary pH/ORP Sensors



Through synergistic ventures with various pH, ORP and Ion Selective instrumentation suppliers and valve retraction hardware providers ASTI offers a complete line of products for customers requiring new electrochemical installations.

Immersion pH/ORP Sensors



Ion Selective



Instrumentation



Twist Lock pH/ORP Sensors



Valve Retractable



Sanitary pH/ORP Sensors



In this presentation we will be discussing the core concepts and features of our sensor designs and the procedures ASTI uses to properly specify a sensor for your application.

	<p>Industrial Ion Selective Sensors</p> <p>Most Complete Line of Industrial Ion Selective Sensors</p> <p>Metal Acid Etching Grade Fluoride Ion Sensors</p> <p>Rugged Industrial Grade Dehydration Resistant Organic Membrane Ion Selective Sensors</p>
	

We will discuss some examples of customers that have reduced overall operating costs and improved process control and efficiency through their cooperative business relationship with ASTI.

We offer the only complete line of industrial ion selective systems in the industry and have the analytical chemistry experience required to make such system function with only minimal support required from maintenance personnel.

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To support the calibration of these online systems, industrial grade laboratory ion selective electrodes are offered in conjunction with portable and laboratory ion meters.

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Difficult Process Measurement Applications