



Sensors and analyzers Built for online measurement in the most demanding industrial applications:

- pH/ ORP
- Dissolved Oxygen
- Chlorine
- Ion Specific Measurement
- Conductivity
- TDS
- % Concentration



pH & ORP Sensors - Rugged design for long life in tough industrial applications. Heavy duty body and cushion-mounting protects electrodes from impact with sealed encapsulated leads to keep moisture out. Protected pH glass tip, large reference junction surface to resist plugging and contamination-resistant reference construction ensures accuracy and long electrode life in tough applications such as effluent streams, pulp stock, mining slurries, high temperature or strong chemicals. The product line features the industry's largest reference junction diameter for long life.



Analyzers and Transmitters for pH/ ORP, Conductivity, Dissolved Oxygen and Chlorine - Microprocessor-based and easy to use. With intuitive navigation, users consistently say that these products "just seem to do what you expect." 24 VDC and 115 / 230 VAC power supplies are offered with up to four relays for alarming and control and dual isolated 4-20 mA outputs are included. RS485 communication is also available.

For pH applications, analyzers automatically recognize buffers for easy, accurate calibration and identifies pH electrode status. 4-20 mA outputs have independently programmable zero, span and direction for acid and caustic feed (or pH and Temperature).

For ease of use in conductivity measurement, auto-ranging scale from 1 to 200,000 $\mu\text{S}/\text{cm}$ and auto-calibration that recognizes calibration standards are included. In addition, % NaOH, % H₂SO₄, % HCl, % NaCl, TDS and Resistivity options are available.

Loop-powered two-wire and explosion proof housing configurations are also offered.

Conductivity Sensors - to service a wide range of applications; from high purity water to high conductivity, to high temperature, to condensate, to chemical waste. There is a wide range of sensor styles, cell constants and sensor construction materials for virtually all applications. Configurations include insertion, twist-lock, and submersible.



and Critical Measurements



Galvanic Chlorine Systems - designed and manufactured to provide fast response, flexibility, reliability and ease of use especially in drinking water applications. All systems are mounted on a sample panel which includes chlorine sensor, flow cell, pressure-reducing valve, flow setting valve, atmospheric break, constant head, grab sample point, and atmospheric drain. IC Controls unique galvanic sensor technology provides better accuracy because of the ability to measure absolute zero, excellent stability and direct measurement of HOCl. Galvanic technology has also eliminated the need for reagents which reduces maintenance time and cost. The total package is designed to save money and time while improving the reliability of the on-line measurement.

Part Per Billion Dissolved Oxygen Systems - designed to give fast response and ease of use. Measures trace Dissolved Oxygen to sub ppb level within ± 0.1 ppb. Automatic ranging reads directly in part per billion without any need for set up - from 0 ppb to 20 ppm dissolved oxygen with values available on an RS232 output. Galvanic technology provides highly accurate, "true zero". Display shows barometric pressure, current output and program messages. Two assignable 4-20 mA outputs and two assignable relays. Quick one-button calibration with pre-tensioned membrane for easy annual replacement. Panel mounted with stainless steel flowcell, double shielded sensor cable, on-line calibration, magnetite grit bypass and siphon-drain system for enhanced accuracy at low ppb levels. Portable configuration also available to allow measurements to be taken at any location.



Buffers, Standards - readily available in standard or custom values. Buffers and Conductivity Standards available that are traceable to NIST. Technical solutions, cleaning solutions, anti-scaling solutions, renew solutions, storage solutions, and electrolytes are part of the IC CONTROLS commitment to helping you achieve the best results. Application and procedural assistance from our specialists is also available with any of our products.





29 Centennial Road., Orangeville, Ontario
Canada L9W 1R1
Phone (519) 941-8161
Toll Free (800) 265-9161
FAX (519) 941-8164
E-mail sales@iccontrols.com
Web Site www.iccontrols.com