IOTRON™ Custom built-to-order Smart Digital pH & ORP Sensors for Intelligent 3TX-HiQ-pH Digital Transmitters for Easy Commissioning:

Smart Digital pH & ORP Sensors and Intelligent Digital pH/ORP Transmitters

- Simplify commissioning & maintenance with smart digital plug and play sensors & intelligent digital transmitters
- Robust NEMA 6P rated snap connector makes exchange of sensors quick and easy for any field installation
- Calibration values are automatically loaded when sensor is connected without any user action required
- Complete transmitter configuration can downloaded or uploaded to smart digital sensor for cloning of transmitter setup, backup and/or reverting to prior setup
- Tracks initial installation & last date in use, as well as total service time. All diagnostic and traceability information is stored inside digital sensor to facilitate best practice management of inventory, usage and procurement

ZEUS™ Off-the-Shelf Typically Ships from Stock Analog & Smart Digital pH Sensors for Severe Service, High-Temp & High-Pressure Process Applications:

ZEUS™ pH SENSORS

- Rugged Thick 1”-1.25” MNPT pH sensors with RADEL sensor body housing for inline, immersion & submersible installations
- For slurry/viscous abrasives, sulfides, high-temperature, dissolved chlorine & ammonia gas, and compatible with most organic solvents
- Recommended for use in severe service use and tough process installations.
- Continuous use up to 200 psig inline pressure & 150 degrees Celsius
- Available in analog configurations without preamplifiers and with integral conventional or differential preamplifiers
- Available in smart digital configuration for use with 3TX-HiQ-pH intelligent transmitters for both pH & ORP measurements
IMMERSION pH & ORP SENSORS

- Rugged line of 3/4"-3/4" & 3/4"-1" MNPT pH & ORP sensors for inline, immersion and fully submersible installation types in a wide range of plastic body housing materials
- Sensors are built to order and customized for specific application use
- Options include slurry/viscous, sulfide, high-temperature, dissolved chlorine and ammonia gas, and organic solvent resistant for severe service use.
- Support for up to 150 psig pressure and 150 degrees Celsius conditions

HOT-TAP VALVE RETRACTABLE

- Rugged HOT-TAP valve retractable design allows for safe use at high pressure & temperatures with an insertion depth up to 41 inches.
- Available in 1.5 inch and 2.0 inch full port assembly versions. Robust blow-out protection standard and watertight insertion tube assembly.
- 316SS standard with alternate materials of construction upon request. Viton or Kalrez "O"-rings for sealing.
- Ideal for plants with installations that cannot be shut down for sensor insertion or removal and process systems where a slip-stream bypass is not possible.

TWIST LOCK pH & ORP SENSORS

- Twist lock configuration offers convenient insertion and removal from process with quick disconnect bayonet style installation
- Twist lock pH & ORP sensors are available with all the same features and options as immersion sensor series for support of the same severe service applications
- Twist lock receptacle available in KYNAR (PVDF) as shown above & PEEK (not shown) materials of construction are compatible with most any possible install. Sealing "O"-rings come standard in Viton-75 with CV75 Simriz 485or Kalrez 4079 as optional upgrades.

SANITARY pH & ORP SENSORS

- Sanitary pH & ORP sensors with solid-state reference technology are ideal for aggressive food and beverage processes requiring chemical clean-in-place (CIP) support.
- Solid state reference is resistant to dehydration, chemicals, gases and other process conditions.
- Thick wall glass is resistant to cracking, even under high temperature and pressure conditions.
- Available with special "EXTREME" reference system to support prolonged exposure to dry conditions and for intermittent operation.
- Accurate pH glass well suited for measurements requiring a high degree of precision.