**Digital Smart Sensors:**

*without integral preamplifier style only:*

- Analog Dual pH & ORP All-in-one Sensors
- Analog Sensors without integral preamplifier

**Analog Sensors with integral preamplifier:**

- Analog Dual pH & ORP All-in-one Sensors
- Analog Sensors without integral preamplifier

**Integrated Components:**

- Temperature Compensation Element (compatible type must be specified)
- Solution Ground Liquid Earth, 316SS (alpha prefix “Y”), or Platinum (alpha prefix “Pt”)
- Analog Conventional or Differential Preamplifier (Contact factory for available options)
- Smart digital sensor board for use with 3TX-HiQ-DT Intelligent pH & ORP transmitters

**Supported Order Options with Alpha Prefix Order Code Designation:**

- Termination with Male BNC connector (-MBNC) or Tinned Lead Wires (-TL)
- Termination with Tinned Lead Wires (-TL) or Quick Disconnect NEMA 6P Snap (-Q7M)

**Reference System Specifications:**

- Double Junction Standard (Triple Junction Optional, Alpha Prefix “TJ”)
- Ag/AgCl, Saturated KCl
- Porous Ceramic, Sat. KCl in crosslinked polymer, Interfaced to Secondary Junction
- Solid-State Non-Porous Cross-Linked Polymer embedded in HDPE Support Matrix holds excess KCl assuring saturation at all temps for stability & long sensor service life

**Supported Order Options with Alpha Prefix Order Code Designation:**


**Example Recommended Applications:**

- Acid fluoride etching solutions or fluoride wastewater treatment systems where low pH conditions may exist or strong acid cleaning is required to remove fouling from sensor.

**Storage and Shelf Life:**

- One (1) year from date of dispatch from factory when stored at indoor ambient room temperature with proper orientation & protector cap.

**Available Configurations & Options:**

- Temperature Compensation Element (compatible type must be specified)
- Solution Ground Liquid Earth, 316SS (alpha prefix “Y”), or Platinum (alpha prefix “Pt”)
- Analog Conventional or Differential Preamplifier (Contact factory for available options)
- Smart digital sensor board for use with 3TX-HiQ-DT Intelligent pH & ORP transmitters

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**Example Recommended Applications:**

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**Storage and Shelf Life:**

- One (1) year from date of dispatch from factory when stored at indoor ambient room temperature with proper orientation & protector cap.
1. All dimensions are in inches, unless otherwise indicated with tolerances as detailed below.
2. Sensor body material of construction is CPVC (6X13/6X12), RADEL (6X32), PEEK (6X42), RYTON (6X53/6X54).
3. Drawing shown in the standard with protective tines configuration (4 places, 90 degrees apart).
   The 2 protective tines only "GRO" configuration (2 places, 180 degrees apart) is optional.
4. In the alternate without tines configuration ("NG") the sensor body is exactly 7.5 inches in length. The max displacement for hemispherical pH glass is 0.3" yielding a max insertion depth of 1.8 inches past threads & overall max length of 7.8 inches.
5. Do not use any sensor beyond the factory defined maximum temperature or pressure rating.