6041 - General Purpose pH Sensor for Inline, Immersion & Submersible Installations

- ¾” MNPT Threads for Inline Use and 1” MNPT Threads for Immersion/Submersible Use
- Interface with ¾” FNPT threads of tee or process tank for Inline Use or 1” FNPT threads on insertion tube for immersion or waterproofing seal for submersible installations

0 to 14 pH (-0.5 to +14.5 with Wide Range Option Invoked, Alpha Prefix “V”)

Hemispherical, Green Glass (MUGG)

0.315” (8.0 mm) DIA, 0.354” (9.0 mm) DIA with Low-Impedance (“Z”) Option

< 800 MΩ @ 25 °C, < 400 MΩ @ 25 °C with Low-Impedance (“Z”) Option

Less than 0.15 pH in sodium (Na+) solutions at pH 14.00

Less than 0.05 pH in hydrochloric acid (HCl) solutions at 0.00 pH

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 Kynar/Polypropylene Matrix holds excess KCl assuring saturation at all temps for stability & long sensor service life

1. All dimensions are in inches, unless otherwise indicated with tolerances as detailed below.
2. Sensor body material of construction is RADEL (6X31), PEEK (6X41) or RYTON (6X51, 6X52).
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 8.0 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 8.3 inches.
5. Do not use any sensor beyond the factory defined maximum temperature or pressure rating.