6353 – Slurry & Viscous Resistant pH Sensor for Inline, Immersion & Submersible Installations; Front ¾” MNPT for Inline & Rear ¾” MNPT for Immersion / Submersion

Front threads interface ¾” FNPT of tee or process tank for Inline Use or Rear threads interface ¾” FNPT of insertion tube for immersion or waterproofing seal for submersion

- 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-pH Intelligent pH & ORP transmitters

Terminated with Male BNC connector (-MBNC) or Tinned Lead Wires (-TL)

Terminated with Tinned Lead Wires (-TL) or Quick Disconnect NEMA 6P Snap (-Q7M)

Terminated with tinned lead wires (-TL), Alpha Prefix “PtD”, 2 each reference half-cells allow for simultaneous use on two completely separate input channels or transmitters

Terminated standard with quick disconnect IP67/NEMA 6P rated waterproof & corrosion resistant snap HIQ4M connector. For 3TX-HiQ-pH Intelligent pH & ORP transmitters or HiQDT style with RS-485 MODBUS RTU to interface with any suitable PLC or SCADA (Minimum Order Quantity may apply for HiQDT style version, contact factory for details)
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 parabolic pH glass is 0.2" yielding a max insertion depth of 1.7 inches past threads & overall max length of 7.7 inches.
5. Do not use any sensor beyond the factory defined maximum temperature or pressure rating.

**NOTES**

**TOLERANCES**

<table>
<thead>
<tr>
<th>Place</th>
<th>Tolerance</th>
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<tbody>
<tr>
<td>1</td>
<td>± .1</td>
</tr>
<tr>
<td>2</td>
<td>± .01</td>
</tr>
<tr>
<td>3</td>
<td>± .005</td>
</tr>
<tr>
<td>4</td>
<td>± .0005</td>
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</tbody>
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Angular: ± 0.25°

**SPECIFICATIONS**

- **Drawing No.** 6X32, 6X42, 6X53, 6X54
- **Sheet** 1 of 1
- **Scale** Not to Scale
- **Project** IMMERSION
- **Model** 6-6 Low-Profile pH Glass