# Industrial pH Sensor

# MS pH 02 (Origin USA)




## FEATURE

- Four Ceramic Junction → Fast Response due to increased porosity, Increased Sensor Life
- Filled with Gel → Helps to maintain zero potential for longer time
- Industrial Grade Rugged Construction
- Easy Installation

## DESCRIPTION

MicroSet make pH Sensor model MS pH 02 is designed for various Industrial Applications. Four ceramic junction reference aids in the sensor's resistance to harsh environments and helps prolong sensor life. The robust sensor design makes the MS pH 02 reliable in a wide range of aqueous solutions found in pipelines, open tanks or ponds.

## TECHNICAL SPECIFICATION

| | |
|---|---|
| Range | : 0 to14 pH |
| Body | : Delrin |
| Type | : Combination |
| Sensor Output | : mV (± 59.4 mV/pH change at 25°C) |
| Pressure | : 6 Bar |
| Temperature | : 0 ~ 100°C |
| Temperature Compensation | : Pt 100 (Optional) |
| Junction | : Four Ceramic |
| Process Connection | : ¾" BSP Male on Front End and Rear End |
| Mounting | : Pipeline (Inline) or Immersion (Tank) or Flow Through Chamber |
| Cable | : Standard Integral Cable 5 Meter with BNC (Optional Leads)<br>Cable Length: 10, 15, 20, 25 Meters Also Available (Optional At Extra Cost)<br>Please specify Cable Length required while ordering<br>Note: Integral Cable Cannot Be Extended from 5 Mtrs. to 10 Mtrs. or so. |

102 Chinmay 1103A 10 Lakaki Road Model Colony Shivajinagar Pune Maharashtra 411016 INDIA +91 9112455550
Team@MicroSetindia.com | Accounts@MicroSetindia.com www.MicroSetindia.com

## APPLICATION

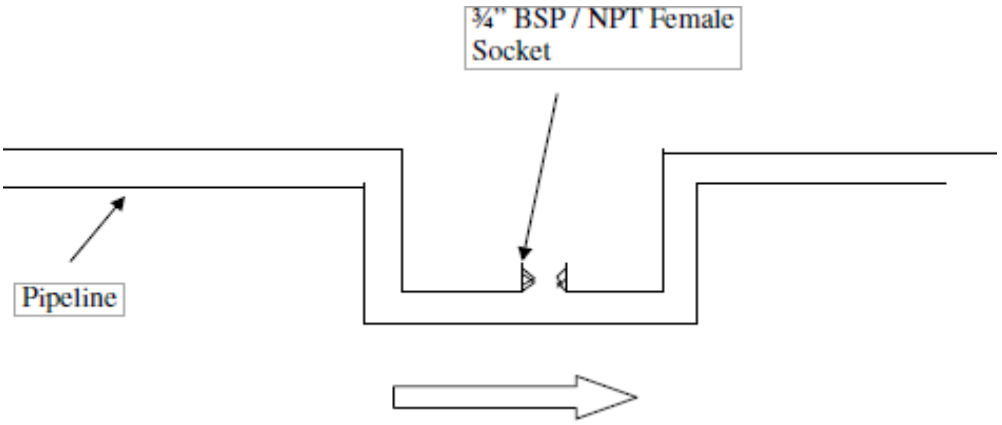
| | |
|---|---|
| Water Treatment Plant (WTP) | Wastewater Treatment Plant (WWTP) |
| Effluent Treatment Plant (ETP) | Sewage Treatment Plant (STP) |
| RO Water Plant | Power Plant |
| Hydroponics | Chemical Industry |
| Textile Industry | Paper & Pulp |
| Beverages / Food Industry | Pharma Industry |

## DIMENSION




## INSTALLATION

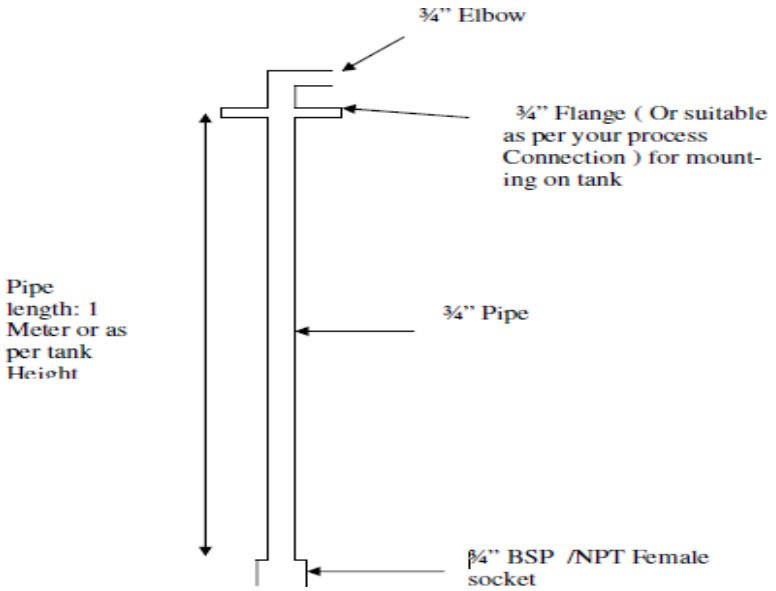
### 1. PIPELINE (IN-LINE) INSTALLATION




102 Chinmay 1103A 10 Lakaki Road Model Colony Shivajinagar Pune Maharashtra 411016 INDIA +91 9112455550
Team@MicroSetindia.com | Accounts@MicroSetindia.com www.MicroSetindia.com

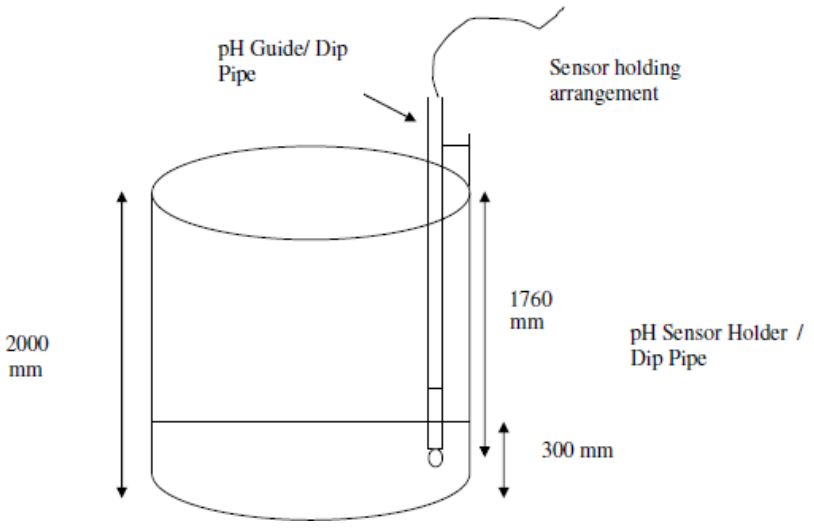
## 2. IMMERSION (TANK) INSTALLATION

### A. GA Diagram for Guide Pipe / Dip Pipe for Tank:




MOC of Pipe / Socket / Flange : SS304 / SS 316 / PP / PVC as per Application
Note: Fabricate the dip pipe in a way that pH sensor should always dip in solution

### B. GA Diagram for pH Sensor Installation in Tank




Example:

- Tank Height : 2000 mm
- Minimum Water Level : 300 mm
- pH Sensor with Dip Pipe Length: 1760 mm (from top). Sensor should be installed in a way that the sensor should not dry at any cost.


102 Chinmay 1103A 10 Lakaki Road Model Colony Shivajinagar Pune Maharashtra 411016 INDIA +91 9112455550
Team@MicroSetindia.com | Accounts@MicroSetindia.com www.MicroSetindia.com