

Industrial High Temperature pH Sensor – PTFE Body

MS pH 04



FEATURE

- Four Ceramic Junction à Fast Response due to increased porosity, Increased Sensor Life
- Filled with Gel à Helps to maintain zero potential for longer time
- Industrial Grade Rugged Construction
- Upto 130°C Operating Temperature
- PTFE (Teflon) body for Harsh Application
- Optionally Built in Temperature Compensation
- Easy Installation

DESCRIPTION

MicroSet make pH Sensor model MS pH 04 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 04 reliable in a wide range of aqueous solutions found in pipelines, open tanks or ponds.

TECHNICAL SPECIFICATION

Range	: 0 to14 pH
Body MOC	: PTFE
Type	: Combination
Sensor Output	: mV (± 59.4 mV/pH change at 25°C)
Pressure	: 6 Bar
Temperature	: 0 ~ 130°C
Temperature Compensation	: Pt 100 (Optional)
Junction	: Four Ceramic
Process Connection	: 3/4" BSPM 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)

Cable Length: 10, 15, 20, 25 Meters Also Available
(Optional At Extra Cost)

Please specify Cable Length required while ordering

Note: Integral Cable Cannot Be Extended from 5 Mtrs. to 10 Mtrs. or so.

APPLICATION

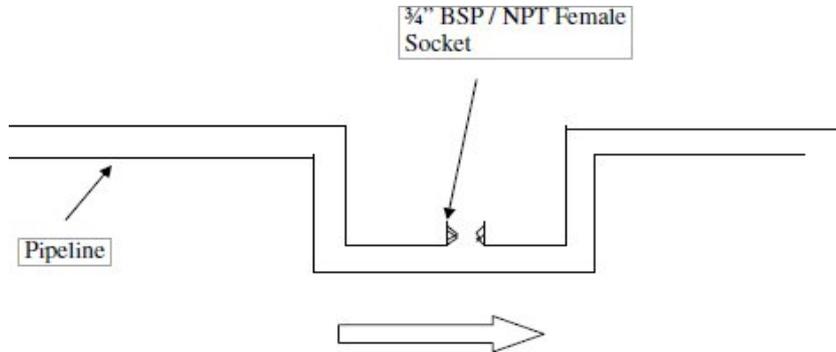
Water Treatment Plant (WTP)	Wastewater Treatment Plant (WWTP)
Effluent Treatment Plant (ETP)	Sewage Treatment Plant (STP)
RO Water Plant	Power Plant
Hydroponics	Chemical Industry
Textile Industry	Paper & Pulp
Beverages / Food Industry	Pharma Industry

DIMENSION



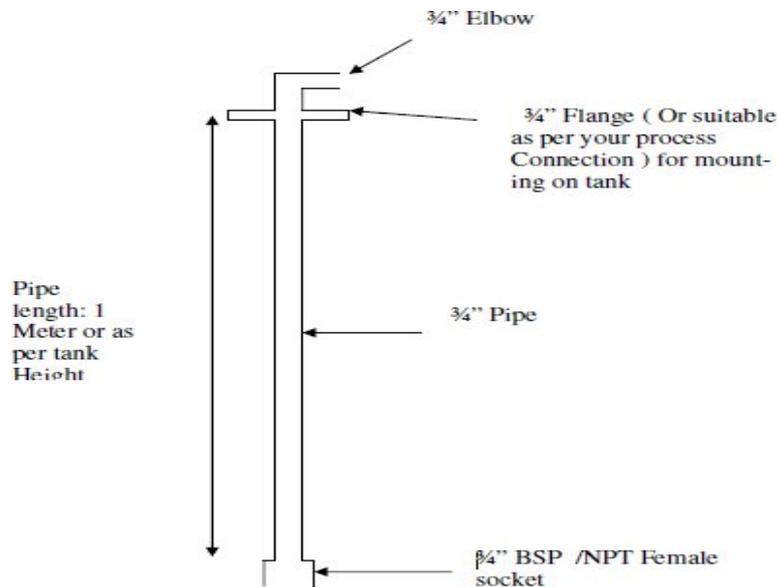
INSTALLATION

1. PIPELINE (IN-LINE) INSTALLATION



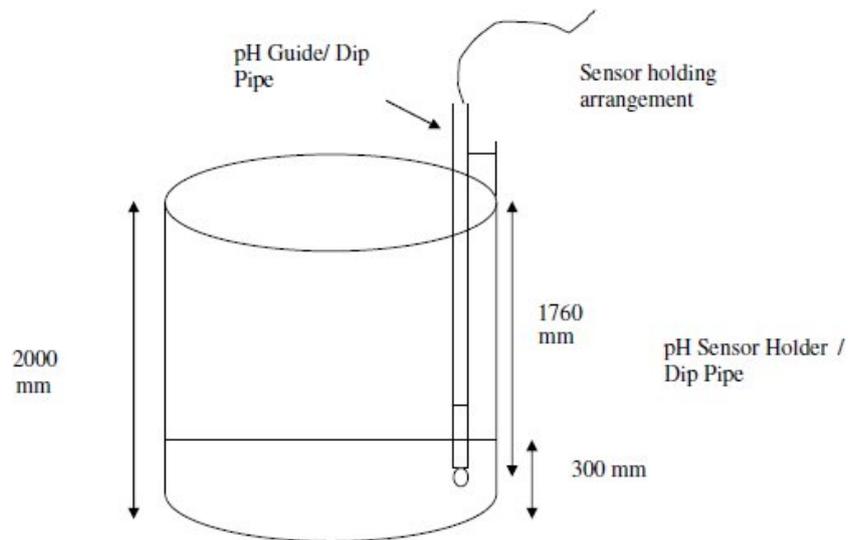
2. IMMERSION (TANK) INSTALLATION

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.

Note: Due to continuous improvement in product, specifications & looks may vary